DA FORM 5988-E

EQUIPMENT MAINTENANCE & INSPECTION WORKSHEET

DATE

UIC:

ADMIN NUMBER	MODEL	EQUIPMENT NOUN	CURRENT READING
	M1078.79.80.81A1	4x4, LIGHT MED TACT VEHICLES	
SERIAL NUMBER	**EQUIPMENT NUMBER**	**EQUIPMENT NSN**	**CURRENT READING**
		Pick Below:	

PUB NUMBER	PUB DATE(YYMM)	PUB CHANGE
TM 9-2320-391-10-3	24 OCT 2017	

INSPECTORS NAME	DATE/TIME

SIGNATURE:_____ DATE/TIME: _____

SERVICE DATA

SERVICE TYPE	SERVICE DUE	READING DUE	USAGE REMAINING	UNIT OF MEASURE

FAULTS & PARTS REQUESTED

NOTIFICATION	TECH STATUS	NOTIFICATION DATE	FAULT DESCRIPTION	WORK ORDER

MAINTENANCE FAULTS

ITEM NUM	TECH STATUS	FAULT DATE	FAULT DESCRIPTION	CORRECTIVE ACTION	INITIAL
			M1078A1 NSN 2320-01-447-6343 (EIC BHR)		
			M1078A1 NSN 2320-01-447-3888 (EIC BHV)		
			M1080A1 NSN 2320-01-447-6345 (EIC BHT)		
			M1081A1 NSN 2320-01-447-3883 (EIC BHX)		
			M1081A1 NSN 2320-01-447-3882 (EIC BHU)		
			M1079A1 NSN 2320-01-447-4933 (EIC BHW)		
			M1079A1 NSN 2320-01-447-4938 (EIC BHS)		

ARMY TM 9-2320-391-10-3
AIR FORCE TO 36A12-1B-1134-1-3

OPERATOR MANUAL

FOR

LIGHT MEDIUM TACTICAL VEHICLES (LMTV) 2 1/2 TON 4 X 4
M1078A1
NSN 2320-01-447-6343 (EIC BHR)
NSN 2320-01-447-3888 (EIC BHV)

M1080A1
NSN 2320-01-447-6345 (EIC BHT)

M1081A1
NSN 2320-01-447-3883 (EIC BHX)
NSN 2320-01-447-3882 (EIC BHU)

M1079A1
NSN 2320-01-447-4933 (EIC BHW)
NSN 2320-01-447-4938 (EIC BHS)

SUPERSEDURE NOTICE - TM 9-2320-391-10-1, TM 9-2320-391-10-2, and TM 9-2320-391-10-3 dated 24 October 2017, supersede TM 9-2320-391-10-1, TM 9-2320-391-10-2, and TM 9-2320-391-10-3 dated 21 July 2015, including all changes.

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HEADQUARTERS, DEPARTMENTS OF THE ARMY
AND AIR FORCE
24 OCTOBER 2017

OPERATOR MAINTENANCE
PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS) INTRODUCTION

INTRODUCTION

Preventive Maintenance Checks and Services (PMCS) is performed to keep the FMTV A1 vehicle in operating condition. The checks are used to find, correct, or report problems so that defects may be discovered and corrected. PMCS is to be accomplished each day the vehicle is operated and at other indicated intervals. Pay attention to WARNINGS, CAUTIONS, and NOTE statements.

WARNINGS indicate possible danger to personnel. **CAUTIONS** indicate possible damage to equipment. **NOTES** are for clarification and additional information.

MAINTENANCE FORMS AND RECORDS

Every mission begins and ends with paperwork. There is not much of it, but it must be kept up. The filled out forms and records have several uses. They are a permanent record of services, repairs, and modifications made on the vehicle; they are reports to unit maintenance and to your Commander; and they serve as a checklist to find out what is wrong with the vehicle after its last use, and whether those faults have been fixed. For information on forms and records, refer to DA PAM 750-8 .

GENERAL MAINTENANCE

During PMCS, keep the following general maintenance procedures in mind:

- **Preparation:** Before performing PMCS, read all checks required for the applicable interval and prepare all tools needed for the task. Have several clean rags ready for use. Perform ALL inspections at the applicable interval.
- **Order of Operation:** Always perform PMCS in the order listed. Once PMCS procedures become routine, spotting problems will become much easier.
- **Cleanliness:** Dirt, grease, oil, and debris only get in the way and may cover up a serious problem. Use degreasing solvent (WP 0321, Table 1, Item 5) on all metal surfaces and soapy water on rubber.
- **Bolts, Nuts, and Screws:** Check bolts, nuts, and screws for obvious looseness, missing, bent, or broken condition and tighten or replace as necessary. They cannot all be checked with a tool, of course, but look for chipped paint, bare metal, or rust around bolt heads.
- **Welds:** Look for loose or chipped paint, rust, or gaps where parts are welded together. If a bad weld is found, have it repaired.

GENERAL MAINTENANCE - Continued

- **Electric Wires and Connectors:** Look for cracked or broken insulation, bare wires, and loose or broken connectors. Tighten loose connectors and make sure wires are in good shape.
- **Fluid Hoses and Fittings:** Look for wear, damage, and leaks, and make sure clamps and fittings are tight. Wet spots show leaks, of course, but a stain around a fitting or connector can indicate a leak. If a connector or fitting is loose, tighten it. If something is broken or worn out, repair or replace per applicable procedure.
- **Damage:** Damage is defined as any condition that affects safety or would render the vehicle unserviceable for mission requirements.

EXPLANATION OF TABLE ENTRIES

An explanation is prepared for each PMCS check entry, and for any general checks and services common to an entire piece of equipment or system. An explanation of PMCS table entries follows:

- **ITEM NO.** The checks and services are numbered for reference. When completing DA Form 2404 (Equipment Inspection and Maintenance Worksheet) , include the Item Number for the check/service indicating a fault. Item Numbers appear in the order that each check or service must be performed for each interval listed.
- **INTERVAL.** This column indicates how often the check or service should be performed.
- **MAN HOURS.** This column indicates how long it takes to perform the check or service.
- **ITEM TO BE CHECKED OR SERVICED.** This column provides the location and item(s) to be checked or serviced.
- **PROCEDURE.** The procedure column provides information about how to perform the required checks and services.
- **EQUIPMENT NOT READY/AVAILABLE IF:** This column shows faults that prevent a vehicle from performing its primary mission. When a check or service procedure results in identification of a fault listed in this column, do not operate the vehicle/system. Follow standard operating procedures for reporting equipment failure.

PREVENTIVE MAINTENANCE CHECKS AND SERVICES

- **BEFORE:** Perform Before (B) PMCS prior to operating FMTV vehicle.
- **DURING:** Perform During (D) PMCS while operating FMTV vehicle.
- **AFTER:** Perform After (A) PMCS after operating FMTV vehicle.

PREVENTIVE MAINTENANCE CHECKS AND SERVICES - Continued

- **WEEKLY:** Perform Weekly (W) PMCS every seven days.
- **MONTHLY:** Perform Monthly (M) PMCS every 30 days. If vehicle or certain equipment systems have not been operated in the previous 30 days, perform During PMCS at the same time as Monthly PMCS.
- **DOCUMENTATION OF PMCS ITEM FAILURES:** If a deficiency is noted when performing PMCS, use troubleshooting procedures to determine the cause, if possible. If the deficiency cannot be corrected, write up the item(s) on DA Form 2404 for field maintenance. For further information on how to use this form, see DA PAM 750-8 .

CORROSION PREVENTION AND CONTROL (CPC)

Corrosion Prevention and Control (CPC) of Army materiel is a continuing concern. It is important that any corrosion problems with this item be reported so that the problem can be corrected and improvements can be made to prevent the problem in future items.

Corrosion specifically occurs with metals. It is an electrochemical process that causes the degradation of metals. It is commonly caused by exposure to moisture, acids, bases, or salts. An example is the rusting of iron. Corrosion damage in metals can be seen, depending on the metal, as tarnishing, pitting, fogging, surface residue, and/or cracking.

Plastics, composites, and rubbers can also degrade. Degradation is caused by thermal (heat), oxidation (oxygen), solvation (solvents), or photolytic (light, typically UV) processes. The most common exposures are excessive heat or light. Damage from these processes will appear as cracking, softening, swelling, and/or breaking.

SF Form 368, Product Quality Deficiency Report should be submitted to the address specified in DA PAM 750-8, The Army Maintenance Management System (TAMMS) Users Manual. Use of keywords such as “corrosion,” “rust,” “deterioration,” or “cracking” will ensure that the information is identified as a CPC problem.

FLUID LEAKAGE

It is necessary for you to know how fluid leakage affects the status of the FMTV A1. Following are types/classes of leakage you need to know to be able to determine the status of the FMTV A1. Learn these leakage definitions and remember - when in doubt, notify your supervisor. Equipment operation is allowed with minor leakage (Class I or II). Consideration must be given to fluid capacity in the item/system being checked/ inspected. When in doubt, notify your supervisor.

When operating with Class I or II leaks, continue to check fluid levels as required in the PMCS.

Class III leaks should be reported immediately to your supervisor.

FLUID LEAKAGE - Continued

- **Class I** - Seepage of fluid (as indicated by wetness or discoloration) but not great enough to form drops.
- **Class II** - Leakage of fluid great enough to form drops, but not enough to cause drops to drip from the item being checked/inspected.
- **Class III** - Leakage of fluid great enough to form drops that fall from the item being checked/inspected.

GENERAL LUBRICATION REQUIREMENTS

LUBRICATION SERVICE INTERVALS

- For equipment under manufacturer's warranty, hardtime oil service intervals shall be followed. Intervals shall be shortened if lubricants are known to be contaminated or if operation is under adverse conditions (such as longer-than-usual operating hours, extended idling periods, extreme dust).
- For safer, more trouble-free operations, make sure that the FMTV A1 is serviced when needed. For the proper lubrication and service intervals, see Lubrication Instruction (WP 0315).
- Oil filters shall be serviced/cleaned/changed, as applicable, when: They are known to be contaminated or clogged; or at prescribed hardtime intervals.
- The FMTV A1 is not enrolled in the Army Oil Analysis Program. HARDTIME INTERVALS APPLY.

LUBRICATION SERVICE INTERVALS - NORMAL CONDITIONS

For safer, more trouble-free operations, make sure that your vehicle is serviced when needed. Proper lubrication and service intervals which are the responsibility of the Operator/Crew are found in this work package.

Adherence. Intervals and the related man-hour times are based on normal operation. The man-hour time specified is the time needed to do all the services prescribed for a particular interval. Change the hard time interval if lubricants are contaminated or if operating the equipment under adverse operating conditions, included longer-than-usual operating hours. The calendar interval may be extended during periods of low activity. If extended, adequate preservation precautions must be taken. Hard time intervals must be applied during the warranty period.

Intervals shown in this work package are based on mileage/calendar time. The lubrication for the vehicle is to be performed at whichever interval occurs first.

Cleaning fittings before lubrication. Clean parts and reusable filters with degreasing solvent, MIL-PRF-680, or equivalent. Dry before lubricating. Dashed arrows indicate lubrication on both sides of equipment.

LUBRICATION SERVICE INTERVALS - NORMAL CONDITIONS - Continued

Lubrication after fording. If a fording operation occurs, lubricate all fittings below fording depth and check submerged gear boxes for presence of water.

Lubrication after high-pressure washing. After a thorough washing, lubricate all grease fittings and oil can points outside and underneath vehicle.

Lubrication local views. A reference to the appropriate localized view is given after most lubrication entries.

HARD TIME LUBRICATION INTERVALS

For equipment under manufacturer's warranty, hard time oil service intervals shall be followed. Intervals shall be shortened if lubricants are known to be contaminated or if operation is under adverse conditions (e.g. longer than usual operating hours, extending idling periods, extreme dust, etc.).

LUBRICATION INTERVALS

Table 1. Intervals.

B	**Before**		
D	**During**		
A	**After**		
W	**Weekly**		
M	**Monthly**		
	Total Man-hours for Each Interval		
VEHICLES	**D**	**W**	**M**
Truck, Cargo, LMTV, M1078A1	0.3	N/A	0.2
Truck, Van, LMTV, M1079A1	0.3	N/A	0.3

LUBRICATION SERVICE INTERVALS - NORMAL CONDITIONS - Continued

Table 1. Intervals - Continued.

B	Before		
D	During		
A	After		
W	Weekly		
M	Monthly		
	Total Man-hours for Each Interval		
VEHICLES	**D**	**W**	**M**
Truck, Chassis, LMTV, M1080A1	0.3	N/A	0.2

LUBRICATION KEY

Table 2. Lubricants.

Specification	Type
MIL-L-2104 (OE/HDO)	Lubricating Oil, Internal Combustion Engine, Combat/ Tactical Service
MIL-PRF-46167C (OEA)	Lubricating Oil, Internal Combustion Engine, Arctic
MIL-PRF-5606H (OHA)	Hydraulic Fluid, Petroleum Base, Aircraft, Missile, and Ordnance
MIL-G-10924 (GAA)	Grease, Automotive and Artillery
W-D-1078	Damping Fluid

LUBRICATION SERVICE INTERVALS - NORMAL CONDITIONS - Continued

Table 3. Coolant.

Specification	Type
MIL-A-46153	Antifreeze, Ethylene Glycol, Inhibited, Heavy Duty, Single Package
MIL-A-11755	Antifreeze, Arctic Type
For Arctic Operation, refer to TM 4-33.31.	

Table 4. Cleaning Agent.

Specification	Type
MIL-PRF-680	Cleaning Compound, Solvent
O-C-1901	Cleaning Compound Window

LUBRICATION SERVICE INTERVALS - UNUSUAL CONDITIONS

Your vehicle will require extra service and care when you operate under unusual conditions. High or low temperatures, long periods of hard use, or continued use in sand, water, mud, or snow will break down the lubricant requiring you to add or change lubricant more often.

GENERAL LUBRICATION NOTES

- Always clean and dry fittings before lubricating them. Failure to do so can force contaminants into bearings.
- Always use the PMCS work packages and Lubrication Instructions as guides for lubrication.
- Never use the wrong type/grade of lubricant.
- Never use too much lubricant.
- If a fording operation occurs, lubricate all fittings below fording depth and check submerged gear boxes for presence of water.
- After a thorough washing, lubricate all grease fittings and oil can points outside and underneath the vehicle.

GENERAL LUBRICATION NOTES - Continued

CLEANLINESS

Dirt, grease, oil, and debris only get in the way and may cover up a serious problem. Use Degreasing Solvent (WP 0321, Table 1, Item 5) on metal surfaces where directed.

SCHEDULE SELECTION

PMCS - Before (WP 0288)

PMCS - During (WP 0289)

PMCS - After (WP 0290)

PMCS - Weekly (WP 0291)

PMCS - Monthly (WP 0292)

USABLE ON CODE

Code	Used On
LBB	M1078A1
LXB	M1078A1 w/11K Self-Recovery Winch
LBD	M1079A1
LXD	M1079A1 w/11K Self-Recovery Winch
LBA	M1080A1
LBC	M1081A1
LXC	M1081A1 w/11K Self-Recovery Winch

END OF WORK PACKAGE

OPERATOR MAINTENANCE
BEFORE PMCS

INITIAL SETUP:

Tools and Special Tools
- Screwdriver, Flat Tip (WP 0319, Table 2, Item 24)
- Wrench, Adjustable, 8 in. (WP 0319, Table 2, Item 39)
- Wrench, Adjustable, 12 in. (WP 0319, Table 2, Item 41)
- Wrench, Socket (WP 0319, Table 2, Item 43)

Materials/Parts
- Gloves, Rubber (WP 0321, Table 1, Item 11)
- Hydraulic Fluid, Petroleum Base (WP 0321, Table 1, Item 17, 18, 19, 20)
- Hydraulic Fluid, Petroleum Base (WP 0321, Table 1, Item 21)
- Lubricant, Solid Film (WP 0321, Table 1, Item 39)
- O-C-1901 Windshield Washer Fluid (WP 0321, Table 1, Item 6)

Materials/Parts (cont.)
- Oil, Lubricating, OEA, Arctic (WP 0321, Table 1, Item 29, 30)
- Oil, Lubricating, OE/HDO 10 (WP 0321, Table 1, Item 22, 23, 24, 25)
- Rag, Wiping Qty: 1 (WP 0321, Table 1, Item 36)

Personnel Required
- Motor Transport Operator 88M (2)

References
- AR 385-10
- DA PAM 750-8
- TM 4-33.31

Equipment Condition
- Air system full (TM 9-2320-391-10).

Table 1. PMCS - Before (All Models).

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
1	Before	0.1	Windshield, Windshield Wipers, and Washer Reservoir	**NOTE** Operating vehicle with damaged windshield may violate AR 385-10. 1. Check windshield (Figure 1, Item 2) for	Windshield is cracked sufficiently

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				damage that would impair Operator's Vision. 2. Check for missing or damaged windshield wiper blade (Figure 1, Item 1). Notify Field Maintenance if windshield wiper blade is missing or unserviceable.	to impair Operator's Vision.

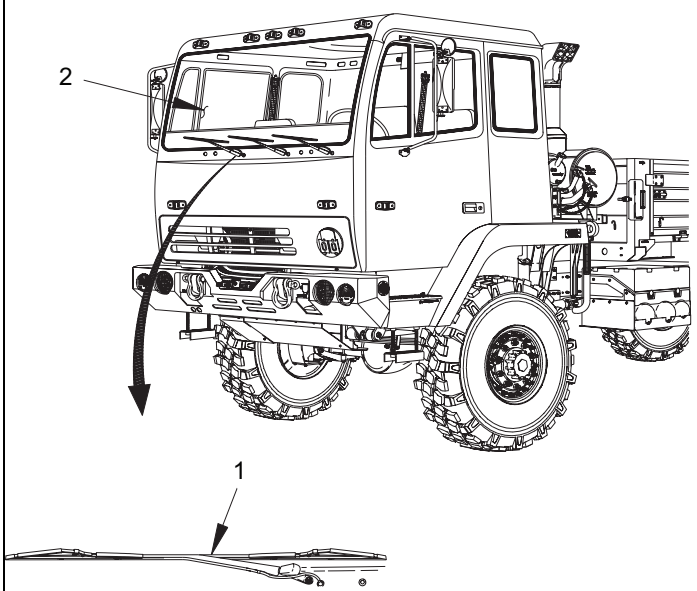


Figure 1. Windshield, Windshield Wipers, and Washer Reservoir.

				3. Check windshield washer reservoir (Figure 2, Item 1). Check windshield washer fluid level. Add windshield washer fluid as required (WP 0315, Table 1).	

Table 1. PMCS - Before (All Models) - Continued.

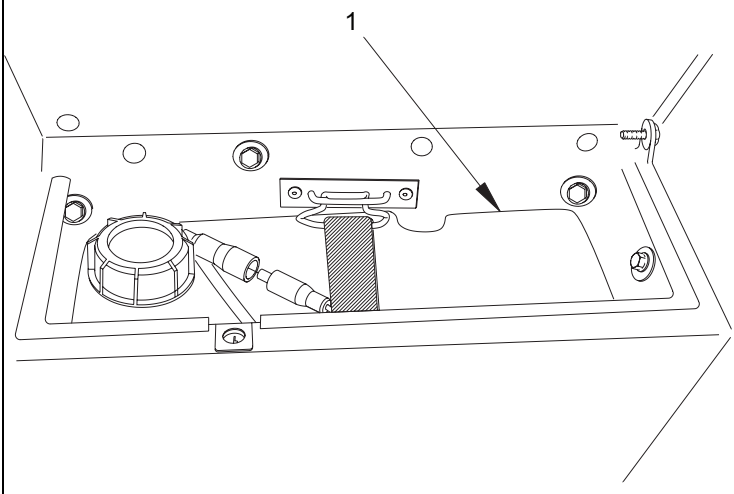
ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				 Figure 2. Windshield, Windshield Wipers, and Washer Reservoir.	
2	Before	0.1	Exterior of Vehicle	1. Look under vehicle for signs of fluid leakage (fuel, oil, and coolant). 2. Check front and rear shackles are secure. 3. Verify cab air springs are unpinned and pin is stowed in stowage bracket.	If any fuel leakage or Class III leakage of oil or coolant is evident.

Table 1. PMCS - Before (All Models) - Continued.

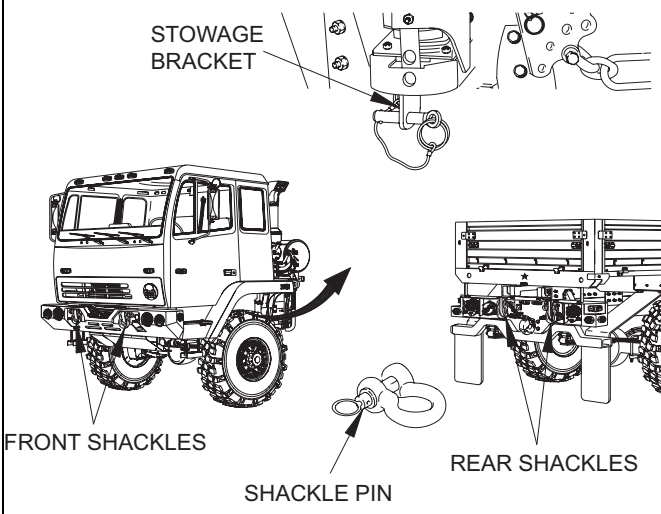
ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
					
3	Before	0.1	Engine Oil	**CAUTION** Do not overfill engine with oil. Failure to comply may result in damage to equipment. 1. Check engine oil dipstick (Figure 4, Item 1) for oil level. Level should be between ADD line and OPERATING RANGE line.	If engine oil is over OPERATING RANGE line, discolored, or milky, notify Field Maintenance.

Figure 3. Exterior of Vehicle.

Table 1. PMCS - Before (All Models) - Continued.

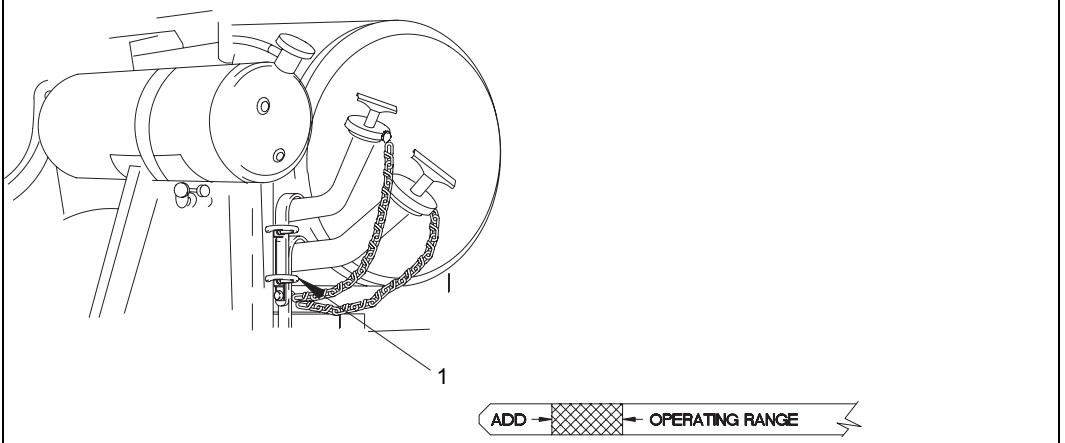
ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				 Figure 4. Engine Oil.	
				2. Add oil as required (WP 0301). 3. Lower cab (Volume 1, WP 0017).	

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
4	Before	0.1	Coolant	**WARNING** Extreme care should be taken when removing radiator cap if temperature gauge reads above 180° F (82° C). Contact with steam or hot coolant under pressure may escape and burn personnel. Failure to comply may result in injury to personnel. **WARNING** Pressure in radiator overflow tank must be released before removing radiator cap. Failure to comply may result in injury to personnel. 1. Verify coolant level is between upper sight glass (Figure 5, Item 1) and lower sight glass (Figure 5, Item 2) on radiator overflow tank (Figure 5, Item 3) with	Coolant level below lower sight glass.

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				engine not running. Add coolant as required (WP 0302).	
				2. Check for engine oil in coolant.	If engine oil is present, notify Field Maintenance .
				3. Check radiator cap.	Radiator cap damaged or missing, notify Field Maintenance.

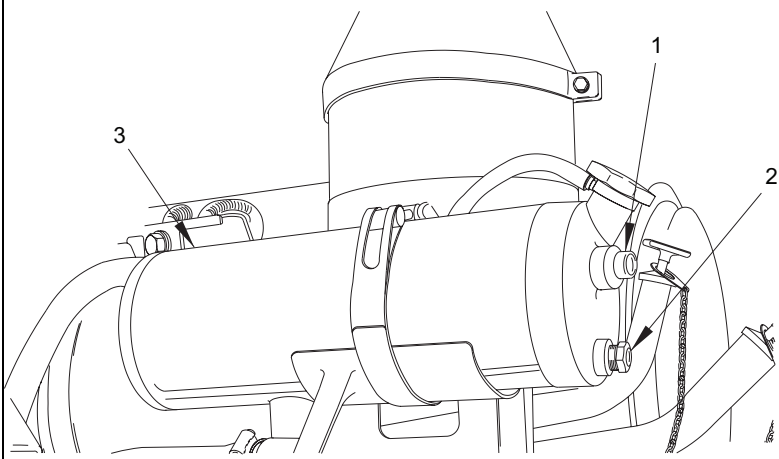


Figure 5. Coolant

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
5	Before	0.1	Fuel Tank	**WARNING** Diesel fuel is flammable. Do not fill fuel tank with engine running, while smoking, or when near an open flame. Never overfill fuel tank or spill fuel. If fuel is spilled, it must be cleaned up immediately. Failure to comply may result in injury or death to personnel. 1. Remove fuel cap (Figure 6, Item 2) and fuel strainer (Figure 6, Item 1) from fuel tank (Figure 6, Item 3). 2. Check for presence of fuel in fuel tank (Figure 6, Item 3). 3. Install fuel strainer (Figure 6, Item 1) and fuel cap (Figure 6, Item 2) on fuel tank (Figure 6, Item 3).	Class III leaks are evident.

Table 1. PMCS - Before (All Models) - Continued.

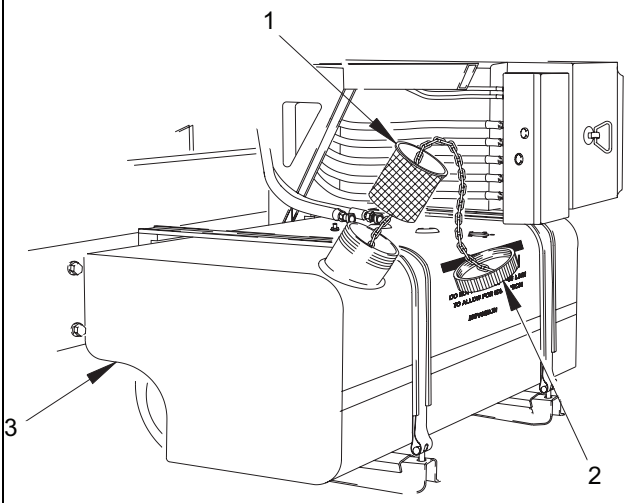
ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				 Figure 6. Fuel Tank.	
6	Before	0.1	Spare Tire Strap (Vehicle S/N 11438 through 99999)	1. Check that spare tire strap (Figure 7, Item 1) is tight. 2. Check that spare tire strap (Figure 7, Item 1) is not torn, frayed, or damaged. 3. Check that SPARE TIRE knob (Figure 7, Item 2) is in RAISE position. If not, position to RAISE position.	

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:

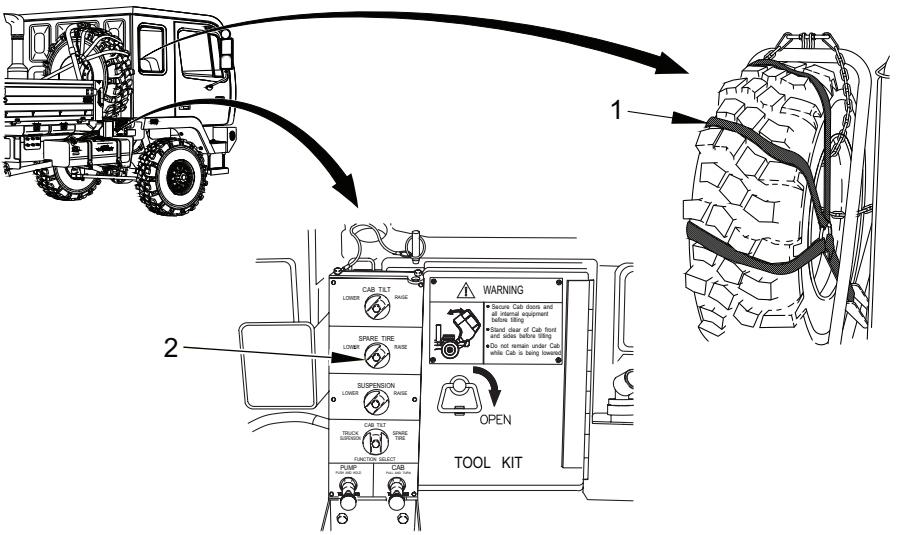



Figure 7. Spare Tire Strap (Vehicle S/N 11438 through 99999).					
7	Before	0.1	Spare Tire Strap (Vehicle S/N 100001 through 199999)	1. Check that spare tire strap (Figure 8, Item 1) is tight. 2. Check that spare tire strap (Figure 8, Item 1) is not torn, frayed, or damaged. 3. Check that SPARE TIRE knob (Figure 8, Item 2) is in RAISE position. If not, position to RAISE position.	

Table 1. PMCS - Before (All Models) - Continued.

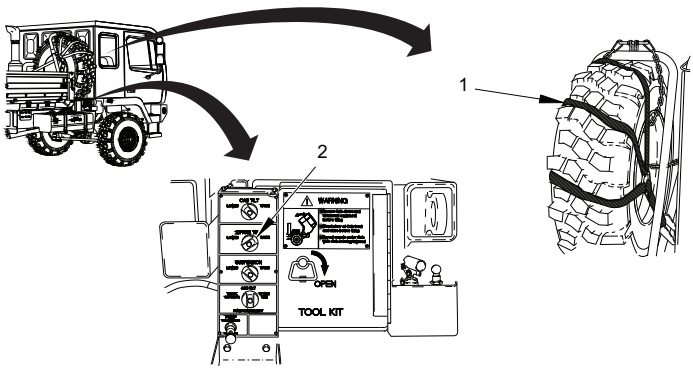
ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
 Figure 8. Spare Tire Strap (Vehicle S/N 100001 through 199999).					
8	Before	0.1	Cab Hydraulic Latch	1. Check that cab hydraulic latch indicator (Figure 9, Item 1) is in latched position.	If cab will not securely latch, notify Field Maintenance.

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:

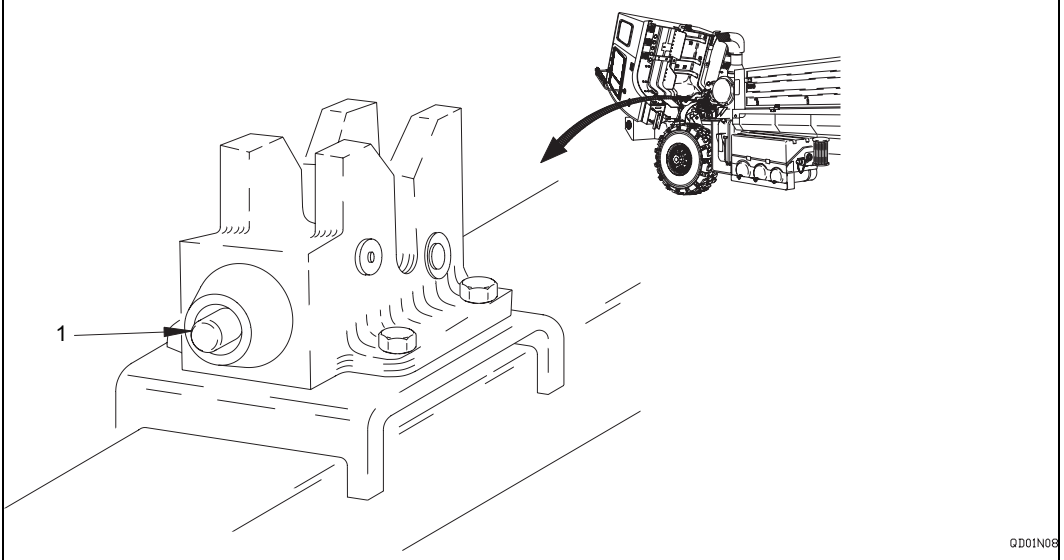


Figure 9. Cab Hydraulic Latch.

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
9	Before	0.1	Air/Hydraulic Power Unit	**WARNING** Hydraulic fluid (MIL-PRF-5606) is TOXIC. Wear protective goggles and gloves; use only in well-ventilated area; avoid contact with skin, eyes, and clothes. Skin and clothing that come in contact with hydraulic fluid should be washed immediately. Saturated clothing should be removed immediately. Failure to comply may result in injury to personnel. 1. Check oil level on dipstick (Figure 10, Item 2). Add oil as required to air/ hydraulic power unit (WP	

Table 1. PMCS - Before (All Models) - Continued.

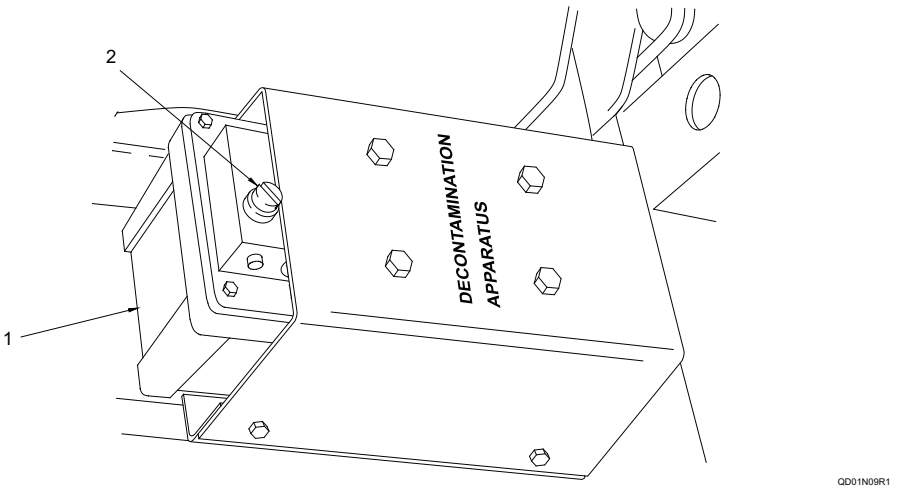
ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				0315, Table 3) (Figure 10, Item 1).	
				 Figure 10. Air/Hydraulic Power Unit.	
10	Before	0.1	Remote Battery Disconnect Switch, Manual Battery Disconnect Switch (MBDS), and Battery Disconnect Switch (Vehicle S/N 11438 through 18549)	1. Lift passenger side cab mud flap. 2. Check that remote battery disconnect switch (Volume 1, WP 0011)	

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				(Figure 11, Item 1) is off (down and covered).	

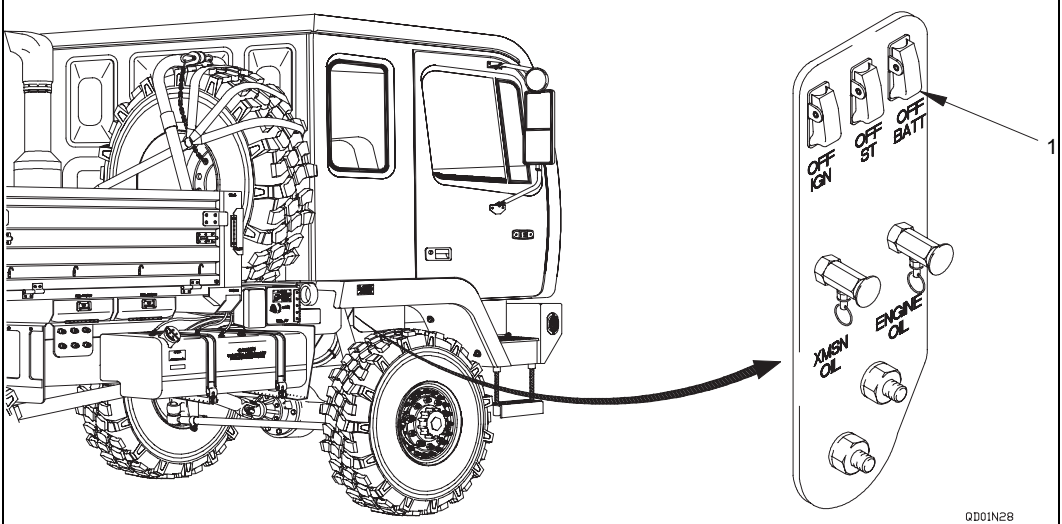


Figure 11. Remote Battery Disconnect Switch, Manual Battery Disconnect Switch (MBDS), and Battery Disconnect Switch (Vehicle S/N 11438 through 18549).

				3. Check that Manual battery disconnect switch (MBDS) (Volume 1, WP 0011) (Figure 12, Item 1) is in the ON position.	

Table 1. PMCS - Before (All Models) - Continued.

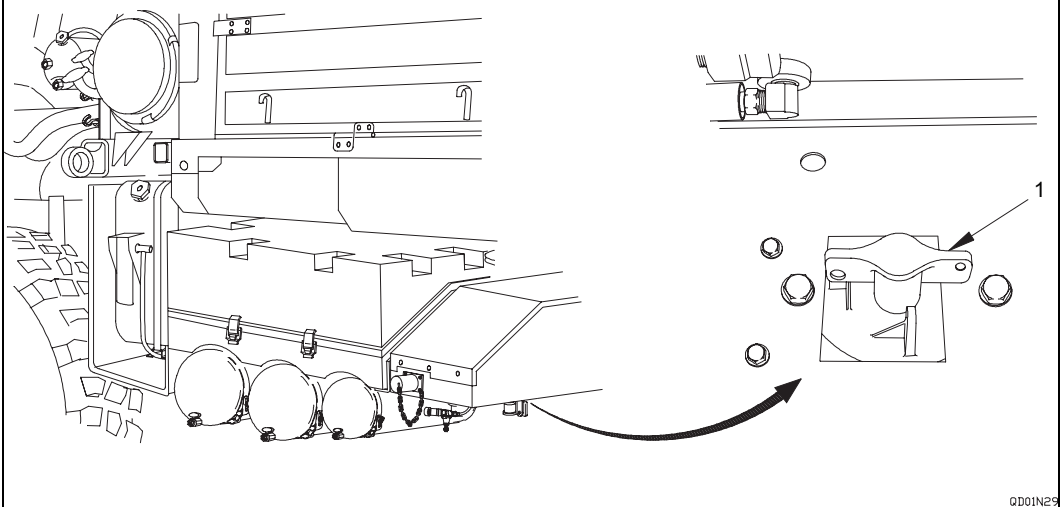
ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
 Figure 12. Remote Battery Disconnect Switch, Manual Battery Disconnect Switch (MBDS), and Battery Disconnect Switch (Vehicle S/N 11438 through 18549).					
11	Before	0.1	Remote Battery Disconnect Switch, Manual Battery Disconnect Switch (MBDS), and Battery Disconnect Switch (Vehicle S/N 18550 through 99999)	1. Lift passenger side cab mud flap. 2. Check that remote battery disconnect switch (Volume 1, WP 0011)	

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				(Figure 13, Item 1) is off (down and covered).	

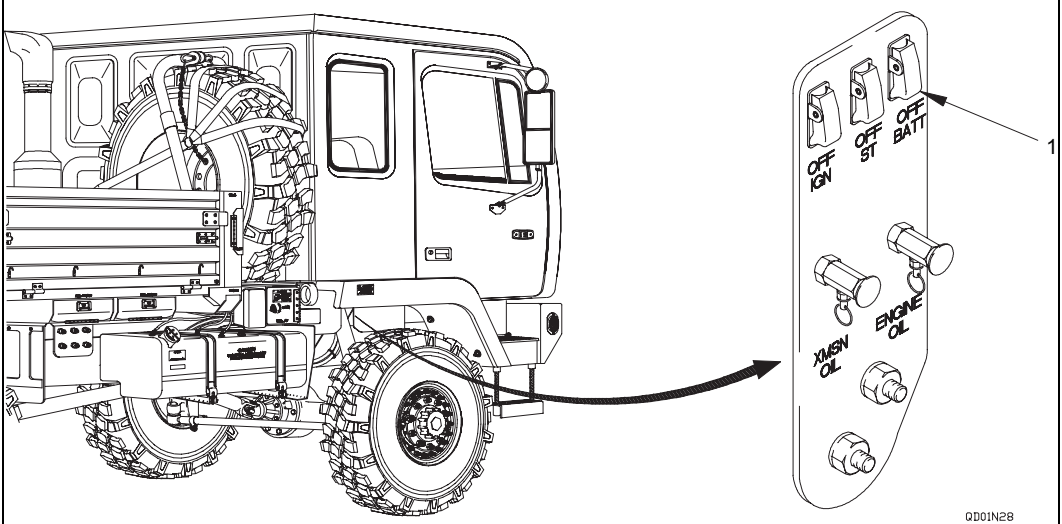


Figure 13. Remote Battery Disconnect Switch, Manual Battery Disconnect Switch (MBDS), and Battery Disconnect Switch (Vehicle S/N 18550 through 99999).

				3. Check that Manual battery disconnect switch (MBDS) (Volume 1, WP 0011) (Figure 14, Item 1) is in the ON position.	

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:

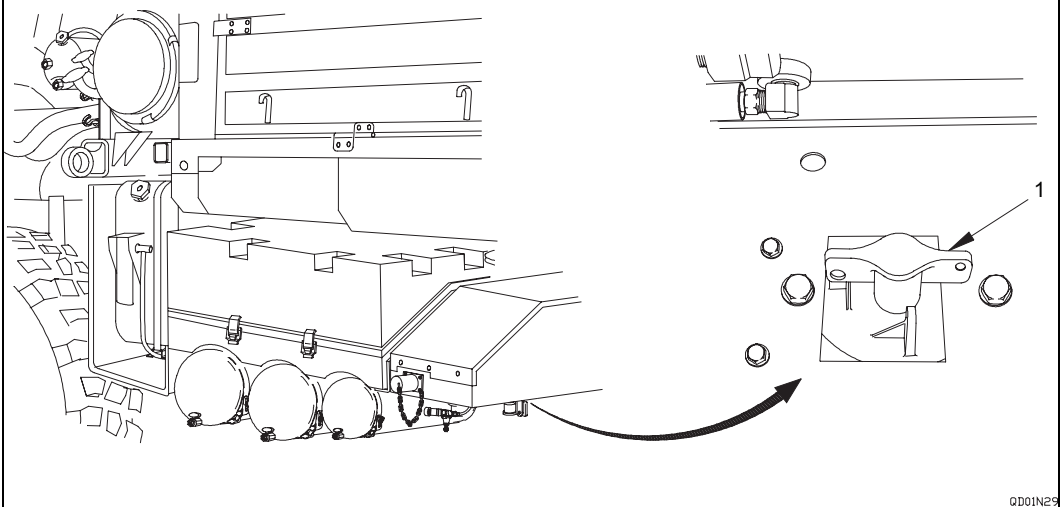


Figure 14. Remote Battery Disconnect Switch, Manual Battery Disconnect Switch (MBDS), and Battery Disconnect Switch (Vehicle S/N 18550 through 99999).

				4. Check that Battery Disconnect switch (Volume 1, WP 0004) (Figure 15, Item 1) is in the on (down and covered) position.	If Battery Disconnect switch (Volume 1, WP 0004) is in the off position, place to connect position and lower switch guard.

Table 1. PMCS - Before (All Models) - Continued.

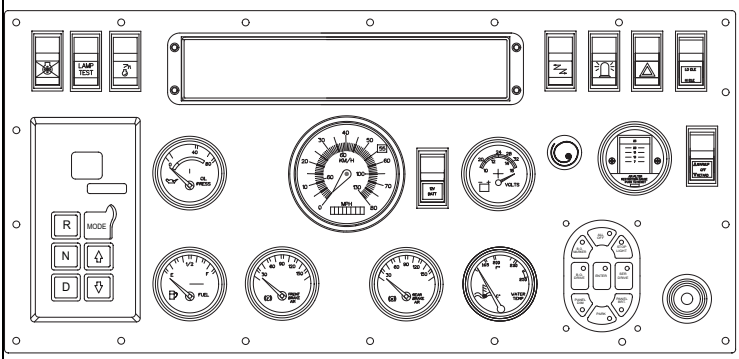
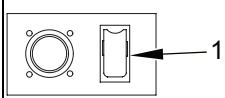
ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				 STEERING WHEEL REMOVED FOR CLARITY  Figure 15. Remote Battery Disconnect Switch, Manual Battery Disconnect Switch (MBDS), and Battery Disconnect Switch.	
12	Before	0.1	Remote Battery Disconnect Switch, Manual Battery Disconnect Switch (MBDS), and Battery Disconnect Switch (Vehicle S/N 100001 through 199999)	1. Lift passenger side cab mud flap. 2. Check that remote battery disconnect switch (Volume 1, WP 0011)	

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				(Figure 16, Item 1) is off (down and covered).	

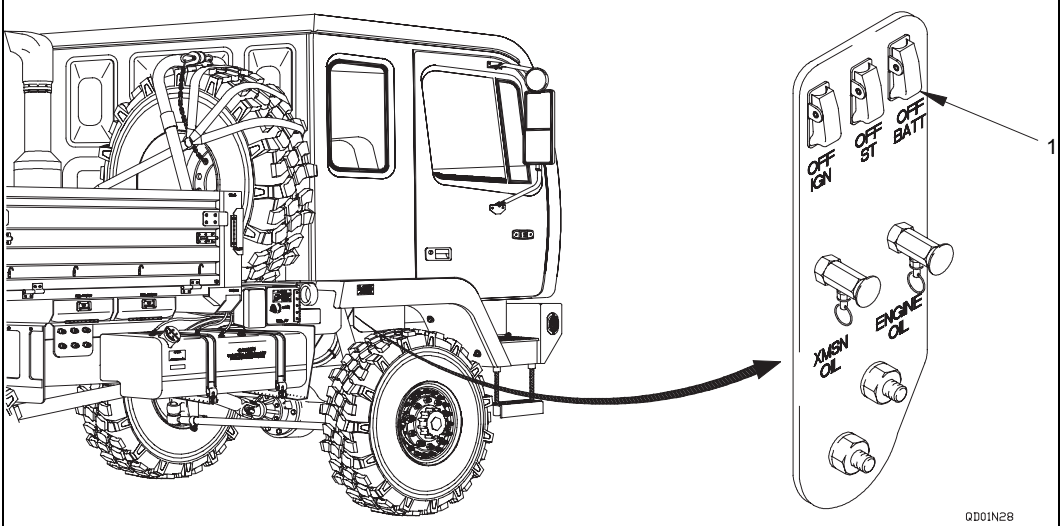


Figure 16. Remote Battery Disconnect Switch, Manual Battery Disconnect Switch (MBDS), and Battery Disconnect Switch (Vehicle S/N 100001 through 199999).

				3. Check that Manual battery disconnect switch (MBDS) (Volume 1, WP 0011) (Figure 17, Item 1) is in the ON position.	

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:

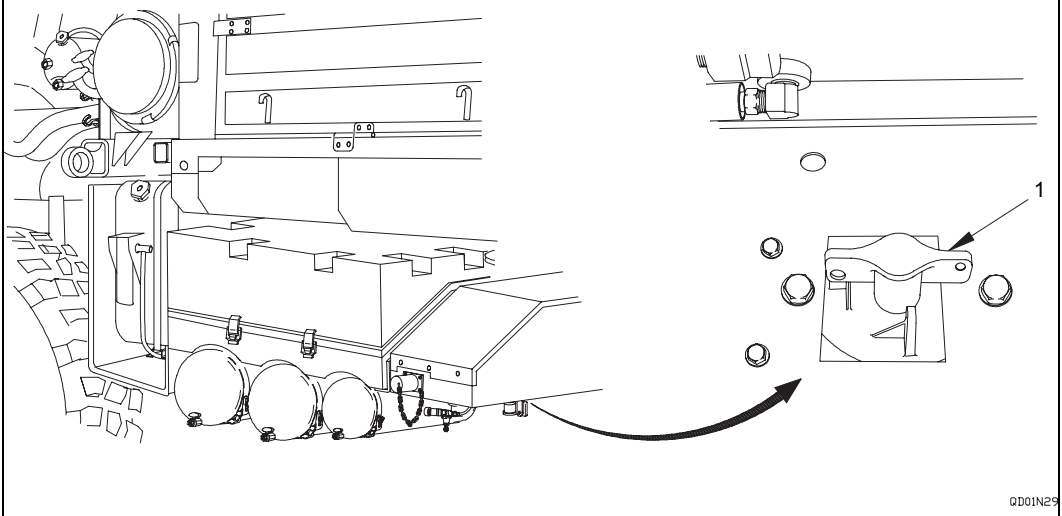


Figure 17. Remote Battery Disconnect Switch, Manual Battery Disconnect Switch (MBDS), and Battery Disconnect Switch (Vehicle S/N 100001 through 199999).

				4. Check that Battery Disconnect switch (Volume 1, WP 0004) (Figure 18, Item 1) is in the on (down and covered) position.	If Battery Disconnect switch (Volume 1, WP 0004) is in the off position, place to connect position and lower switch guard.

Table 1. PMCS - Before (All Models) - Continued.

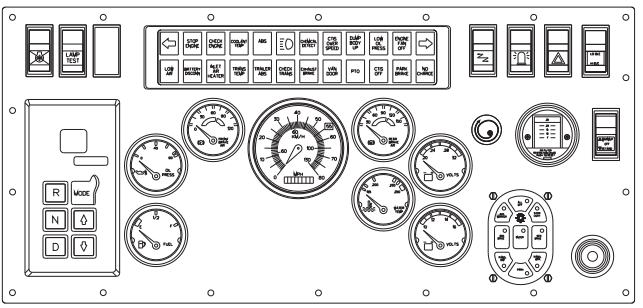
ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				 Figure 18. Remote Battery Disconnect Switch, Manual Battery Disconnect Switch (MBDS), and Battery Disconnect Switch (Vehicle S/N 100001 through 199999).	
13	Before	0.3	Interior Cab Components	**NOTE** Operating vehicle with inoperative seat belts may violate AR 385-10. 1. Check all three seat belts (Figure 19, Item 1) for security, damage, and proper operation.	Seat belt not in good working condition. Notify Field Maintenance.

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				2. Check forward/backward adjustment control operation on driver's seat. (Volume 1, WP 0010)	Forward/backward adjustment control is broken or missing. Notify Field Maintenance.
				3. Check for missing or damaged fire extinguisher (Figure 20, Item 1).	Fire extinguisher is damaged or missing.
				4. Check that fire extinguisher (Figure 20, Item 1) pressure is approximately 150 psi (1,034 kPa).	Fire extinguisher pressure gauge needle is within discharge band. Seal is missing

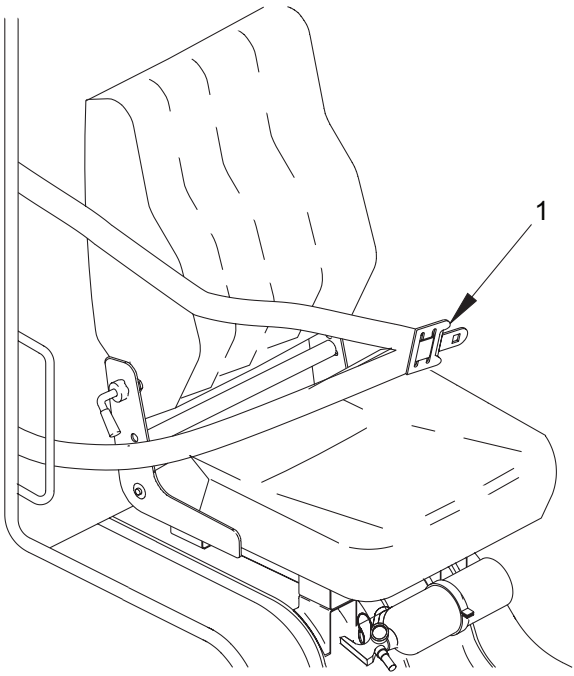


Figure 19. Interior Cab Components.

Table 1. PMCS - Before (All Models) - Continued.

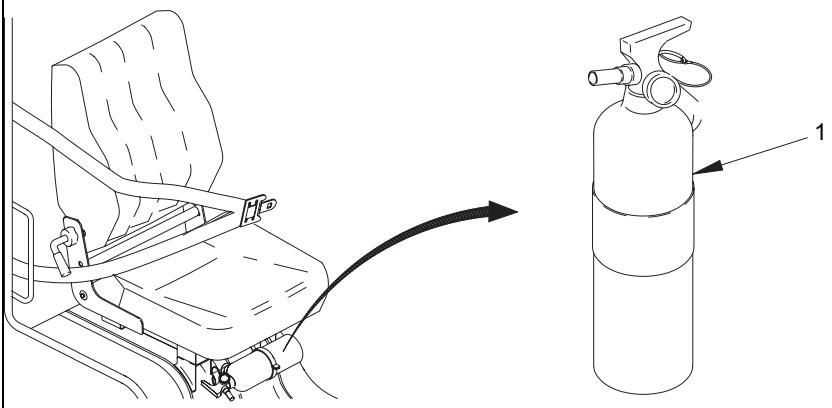
ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				 QD01N11	
				5. Check windshield washer switch (Volume 1, WP 0007) (Figure 21, Item 2) for proper operation. Windshield washer switch is inoperative.	Notify Field Maintenance.
				6. Check windshield wiper switch (Volume 1, WP 0007) (Figure 21, Item 1) for proper operation. Windshield wiper switch is inoperative.	Notify Field Maintenance.
				7. Check horn button (Volume 1, WP 0007) (Figure 21, Item 3) for proper operation	

Figure 20. Interior Cab Components.

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:

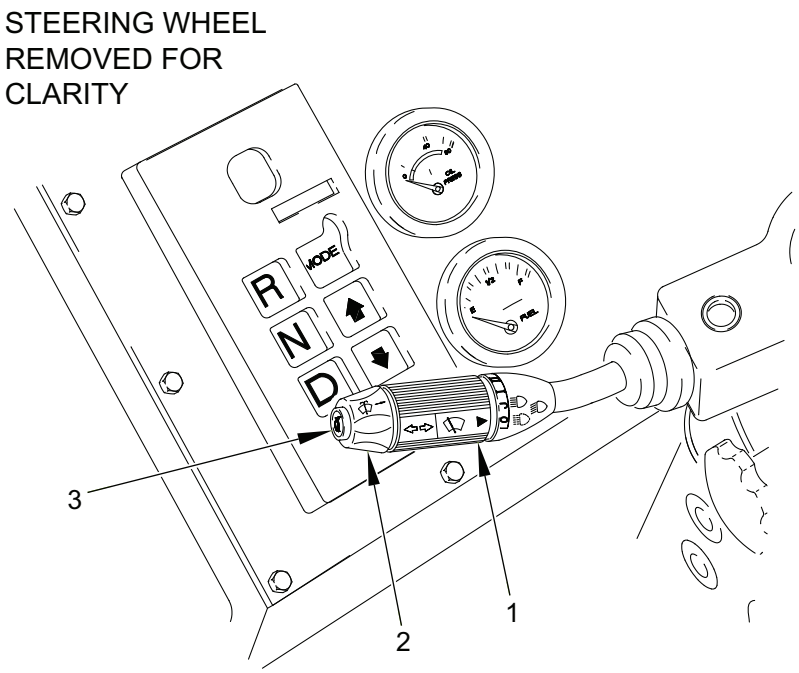


Figure 21. Interior Cab Components.

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				NOTE • PARK BRAKE indicator will not illuminate if SYSTEM PARK control is not pulled out. LOW FRONT AIR and LOW REAR AIR indicators will not illuminate if air system pressure exceeds 75 psi (vehicle S/N 18,549 or lower). • The following four steps apply to vehicle(s) with S/N 11438 through 18549. 8. Position master power switch (Volume 1, WP 0004) (Figure 22, Item 1) to on. 9. Hold LAMP TEST switch (Volume 1, WP 0004) (Figure 22, Item 2) to on position. 10. Check that all indicators illuminate on lighted indicator display (Volume 1,	

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				WP 0004). If any indicator does not illuminate, perform Electrical System Troubleshooting for that indicator. 11. Release LAMP TEST switch (Volume 1, WP 0004) (Figure 22, Item 2).	

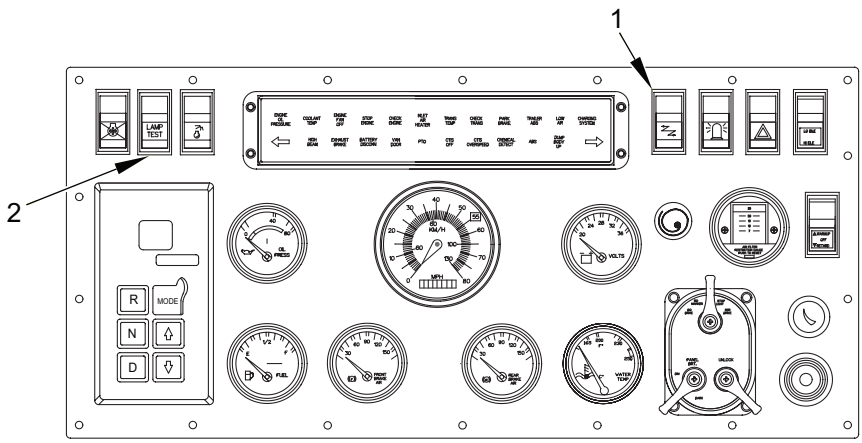


Figure 22. Interior Cab Components (Vehicle S/N 11438 through 18549).

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				NOTE • PARK BRAKE indicator will not illuminate if SYSTEM PARK control is not pulled out. LOW AIR indicator will not illuminate if air system pressure exceeds 75 psi (vehicles S/N 18,550 or higher). • The following four steps apply to vehicle(s) with S/N 18550 through 99999. 12. Position master power switch (Volume 1, WP 0004) (Figure 23, Item 1) to on. 13. Hold LAMP TEST switch (Volume 1, WP 0004) (Figure 23, Item 2) to on position. 14. Check that all indicators illuminate on lighted indicator display (Volume 1, WP 0004). If any indicator does not illuminate, perform Electrical System	

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				Troubleshooting for that indicator. 15. Release LAMP TEST switch (Volume 1, WP 0004) (Figure 23, Item 2).	

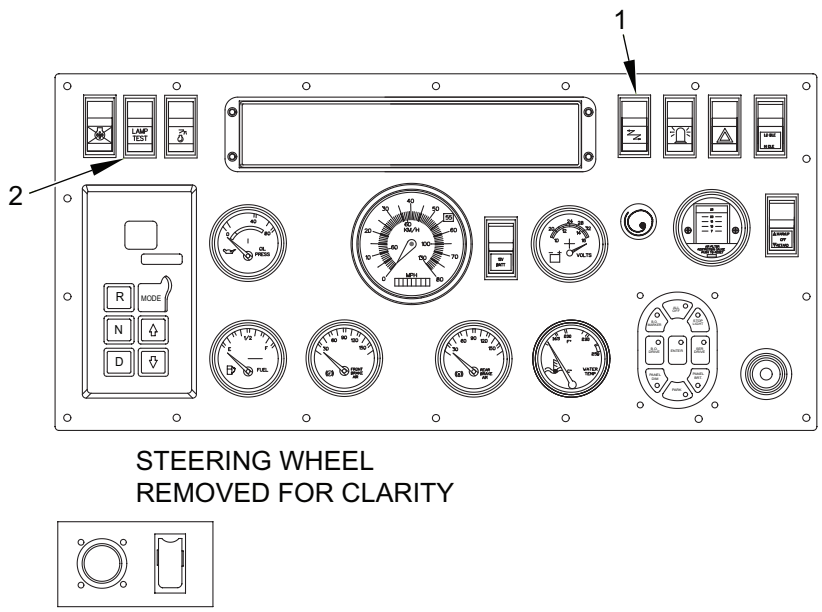


Figure 23. Interior Cab Components (Vehicle S/N 18550 through 99999).

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				NOTE • PARK BRAKE indicator will not illuminate if SYSTEM PARK control is not pulled out. LOW AIR indicator will not illuminate if air system pressure exceeds 75 psi (vehicles S/N 18,550 or higher). • The following seven steps apply to vehicle(s) with S/N 100001 through 199999. 16. Position master power switch (Volume 1, WP 0004) (Figure 24, Item 1) to on. 17. Hold LAMP TEST switch (Volume 1, WP 0004) (Figure 24, Item 2) to on position. 18. Check that all indicators illuminate on lighted indicator display (Volume 1, WP 0004). If any indicator does not illuminate, perform Electrical System	

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				Troubleshooting for that indicator. 19. Release LAMP TEST switch (Volume 1, WP 0004) (Figure 24, Item 2).	

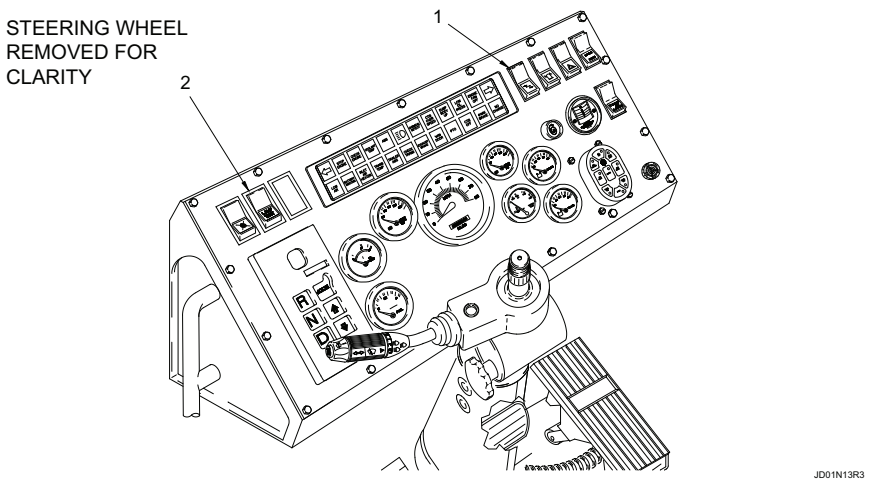


Figure 24. Interior Cab Components (Vehicle S/N 100001 through 199999).

				CAUTION If ENGINE OIL PRESSURE indicator does not illuminate momentarily, or illuminates and stays on, vehicle is not fully mission capable. Failure to comply may result in damage to equipment.	

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				NOTE If OIL PRESS gauge reads in red zone (0-7 psi) and ENGINE OIL PRESSURE indicator is not illuminated, shut down engine, then restart engine. ENGINE OIL PRESSURE Indicator should illuminate momentarily to indicate proper functions.	
				20. Start engine. (Volume 1, WP 0016)	Engine will not start.
				NOTE • Oil pressure will increase when engine speed increases and will decrease when engine speed decreases. • Oil pressure will be lower when engine is at maximum operating temperature (WATER TEMP gauge reads 250°F).	
				21. OIL PRESS gauge (Volume 1, WP 0004)	

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				(Figure 25, Item 1) indicates in red zone and ENGINE OIL PRESSURE indicator (Volume 1, WP 0004) (Figure 25, Item 2) is illuminated.	
				22. Check that OIL PRESS gauge (Volume 1, WP 0004) (Figure 25, Item 1) indicates between 15-80 psi.	OIL PRESS gauge (Volume 1, WP 0004) (Figure 25, Item 1) indicates less than 6 psi.

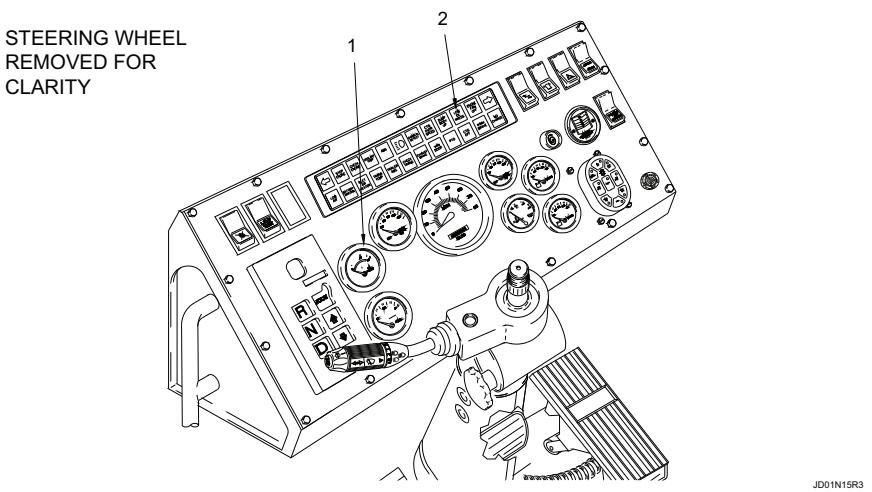


Figure 25. Interior Cab Components (Vehicle S/N 100001 through 199999).

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				CAUTION If ENGINE OIL PRESSURE indicator does not illuminate momentarily, or illuminates and stays on, vehicle is not fully mission capable. Failure to comply may result in damage to equipment. **NOTE** • If OIL PRESS gauge reads in red zone (0-7 psi) and ENGINE OIL PRESSURE indicator is not illuminated, shut down engine, then restart engine. ENGINE OIL PRESSURE Indicator should illuminate momentarily to indicate proper functions.	

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				• The following three steps apply to vehicle(s) with S/N 11438 through 18549.	
				23. Start engine. (Volume 1, WP 0016)	Engine will not start.
				NOTE • Oil pressure will increase when engine speed increases and will decrease when engine speed decreases. • Oil pressure will be lower when engine is at maximum operating temperature (WATER TEMP gauge reads 250°F).	
				24. OIL PRESS gauge (Volume 1, WP 0004) (Figure 26, Item 2) indicates in red zone and ENGINE OIL PRESSURE indicator (Volume 1, WP 0004) (Figure 26, Item 1) is illuminated.	

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				25. Check that OIL PRESS gauge (Volume 1, WP 0004) (Figure 26, Item 2) indicates between 15-80 psi.	OIL PRESS gauge (Volume 1, WP 0004) (Figure 26, Item 2) indicates less than 6 psi.

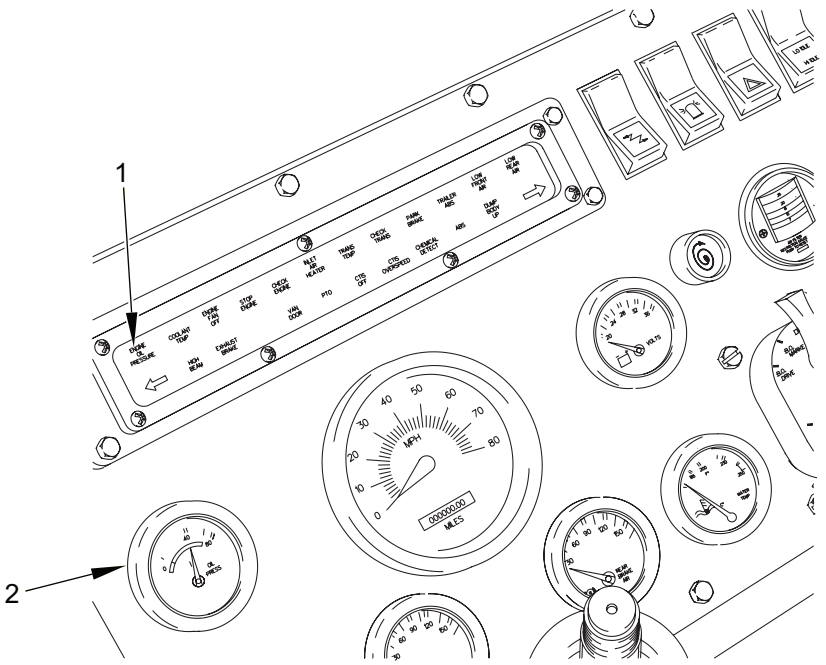


Figure 26. Interior Cab Components (Vehicle S/N 11438 through 18549).

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				CAUTION If ENGINE OIL PRESSURE indicator does not illuminate momentarily, or illuminates and stays on, vehicle is not fully mission capable. Failure to comply may result in damage to equipment. **NOTE** • If OIL PRESS gauge reads in red zone (0-7 psi) and ENGINE OIL PRESSURE indicator is not illuminated, shut down engine, then restart engine. ENGINE OIL PRESSURE Indicator should illuminate momentarily to indicate proper functions.	

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				• The following three steps apply to vehicle(s) with S/N 18550 through 99999.	
				26. Start engine. (Volume 1, WP 0016)	Engine will not start.
				NOTE • Oil pressure will increase when engine speed increases and will decrease when engine speed decreases. • Oil pressure will be lower when engine is at maximum operating temperature (WATER TEMP gauge reads 250°F).	
				27. OIL PRESS gauge (Volume 1, WP 0004) (Figure 27, Item 2) indicates in red zone and ENGINE OIL PRESSURE indicator (Volume 1, WP 0004) (Figure 27, Item 1) is illuminated.	

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				28. Check that OIL PRESS gauge (Volume 1, WP 0004) (Figure 27, Item 2) indicates between 15-80 psi.	OIL PRESS gauge (Volume 1, WP 0004) (Figure 27, Item 2) indicates less than 6 psi.

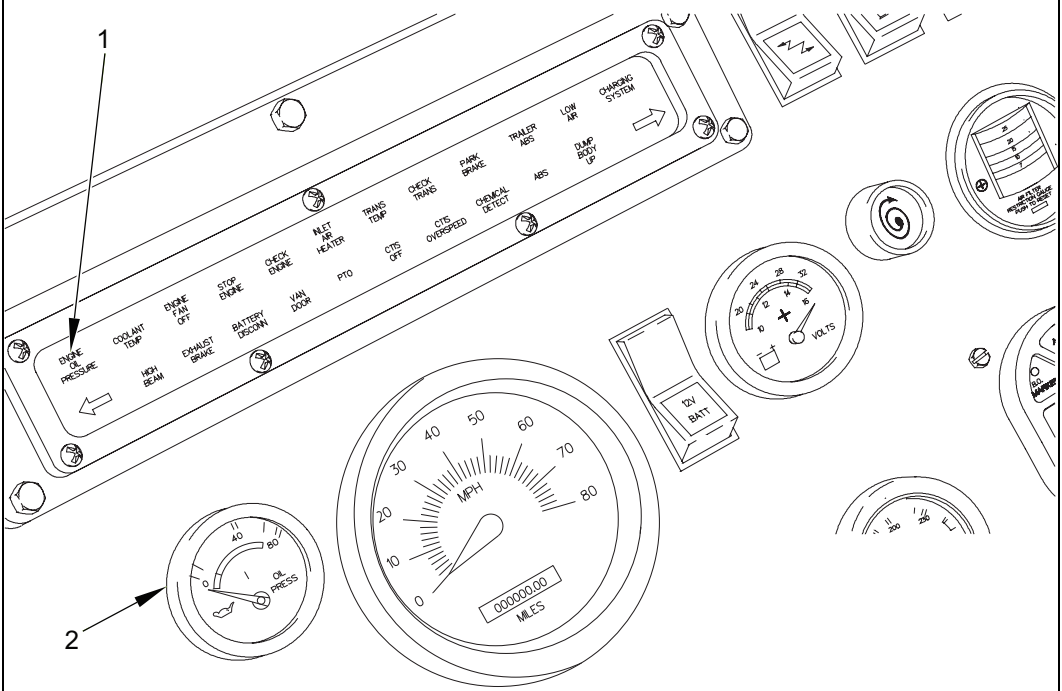


Figure 27. Interior Cab Components (Vehicle S/N 18550 through 99999).

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				NOTE • At idle, WATER TEMP gauge may not reach 165° F (71° C). If COOLANT TEMP indicator is illuminated and WATER TEMP gauge reads 165° - 250° F (74° - 121° C) and engine fan is NOT running continuously, continue with mission. • The following step applies to vehicle(s) with S/N 100001 through 199999.	
				29. Check that WATER TEMP gauge (Volume 1, WP 0004) (Figure 28, Item 1) indicates between 165° - 230° F (74° - 110° C).	WATER TEMP gauge (Volume 1, WP 0004) (Figure 28, Item 1) indicates red zone and COOLANT TEMP indicator (Volume 1, WP 0004) (Figure 28, Item 2) is illuminated.

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:

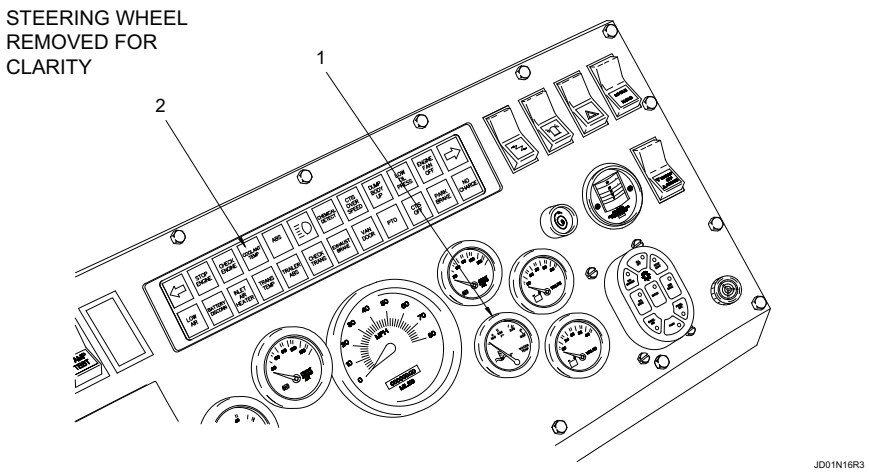


Figure 28. Interior Cab Components (Vehicle S/N 100001 through 199999).

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				NOTE • At idle, WATER TEMP gauge may not reach 165° F (71° C). If COOLANT TEMP indicator is illuminated and WATER TEMP gauge reads 165° - 250° F (74° - 121° C) and engine fan is NOT running continuously, continue with mission. • The following step applies to vehicle(s) with S/N 11438 through 18549.	
				30. Check that WATER TEMP gauge (Volume 1, WP 0004) (Figure 29, Item 2) indicates between 165° - 230° F (74° - 110° C).	WATER TEMP gauge (Volume 1, WP 0004) (Figure 29, Item 2) indicates red zone and COOLANT TEMP indicator (Volume 1, WP 0004) (Figure 29, Item 1) is illuminated.

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:

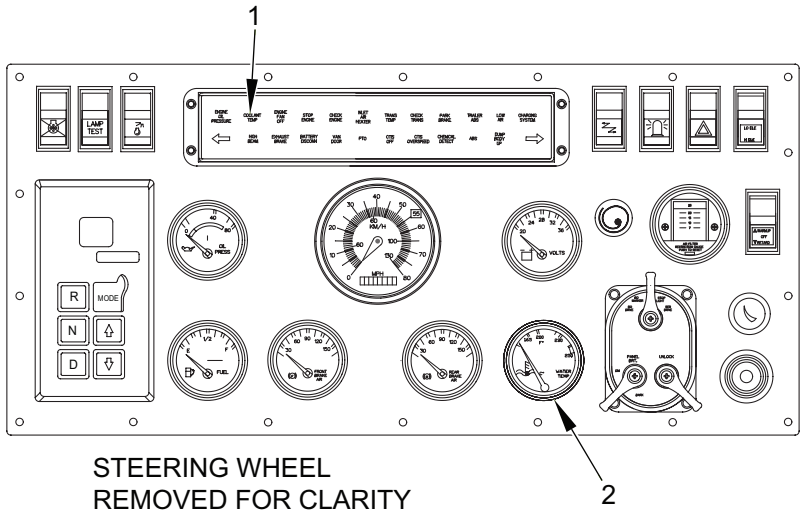


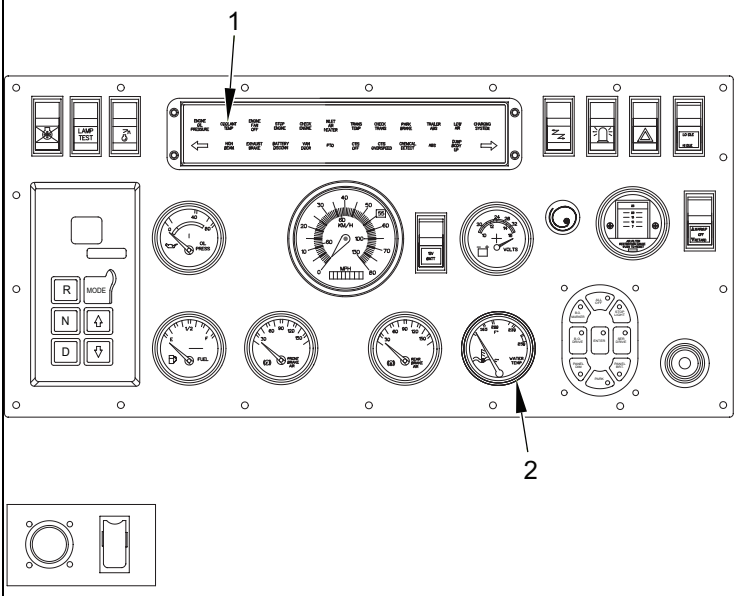
Figure 29. Interior Cab Components (Vehicle S/N 11438 through 18549).

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				NOTE • At idle, WATER TEMP gauge may not reach 165° F (71° C). If COOLANT TEMP indicator is illuminated and WATER TEMP gauge reads 165° - 250° F (74° - 121° C) and engine fan is NOT running continuously, continue with mission. • The following step applies to vehicle(s) with S/N 18550 through 99999.	
				31. Check that WATER TEMP gauge (Volume 1, WP 0004) (Figure 30, Item 2) indicates between 165° - 230° F (74° - 110° C).	WATER TEMP gauge (Volume 1, WP 0004) (Figure 30, Item 2) indicates red zone and COOLANT TEMP indicator (Volume 1, WP 0004) (Figure 30, Item 1) is illuminated.

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:



STEERING WHEEL REMOVED FOR CLARITY

Figure 30. Interior Cab Components (Vehicle S/N 18550 through 99999).

				***** The following is applicable to the following UOC(s): LBC LXC. *****	
				NOTE The following step applies to M1081A1.	
				32. Check ON/OFF switch (Volume 1, WP 0006) (Figure 31, Item 5), FAN switch (Volume 1, WP 0006) (Figure 31, Item 4), HEAT control (Volume 1, WP 0006) (Figure 31, Item 3), VENT control (Volume 1, WP 0006) (Figure 31, Item 2), and DEFR (defrost)	AC or blower fan does not operate.

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				control (Volume 1, WP 0006) (Figure 31, Item 1) for proper operation.	

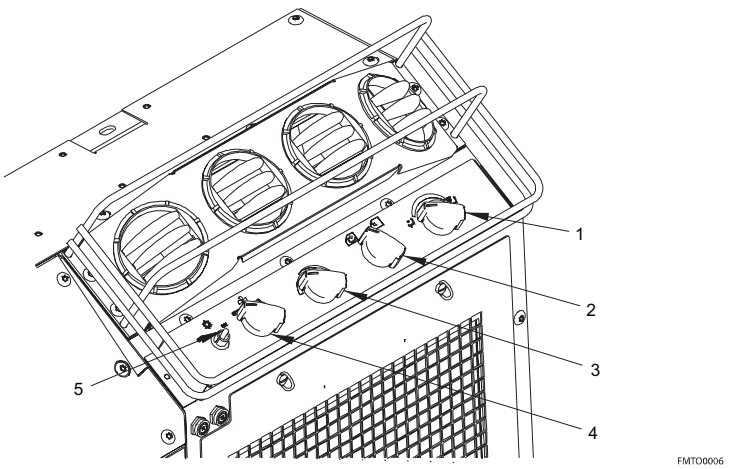


Figure 31. Interior Cab Components (M1080A1).

				NOTE The following step applies to vehicle(s) with S/N 100001 through 199999.	
				33. Check AIR FILTER RESTRICTION GAUGE (Figure 32, Item 1). Press reset button (Figure 32, Item 2) if AIR FILTER RESTRICTION GAUGE reads greater than 25 in. (in red area). If AIR FILTER RESTRICTION GAUGE still reads in red zone after reset button is pressed, shut down engine (Volume	AIR FILTER RESTRICTION GAUGE (Figure 32, Item 1) reads greater than 25 in. (in red area). Notify Field Maintenance.

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				1, WP 0016). Service air cleaner (WP 0313). Start engine (Volume 1, WP 0016).	

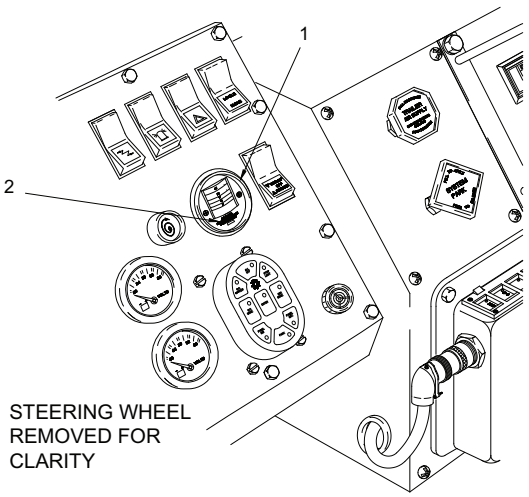
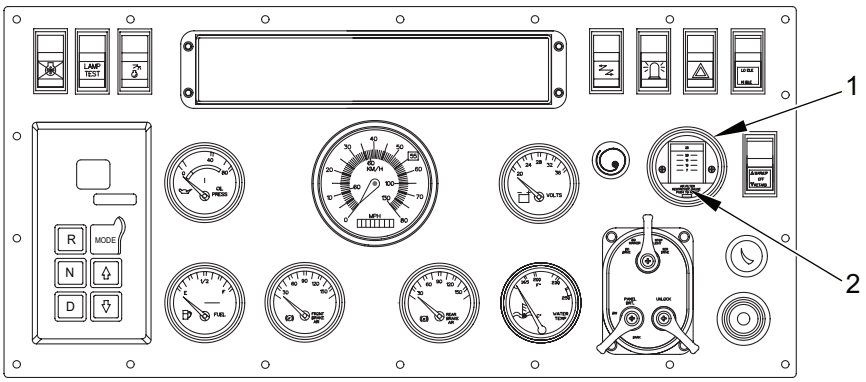


Figure 32. Interior Cab Components (Vehicle S/N 100001 through 199999).

				NOTE The following step applies to vehicle(s) with S/N 11438 through 18549.	
				34. Check AIR FILTER RESTRICTION GAUGE (Figure 33, Item 1). Press reset button (Figure 33, Item 2) if AIR FILTER RESTRICTION GAUGE reads greater than 25 in. (in red area). If AIR FILTER RESTRICTION GAUGE still reads in red zone after	AIR FILTER RESTRICTION GAUGE (Figure 33, Item 1) reads greater than 25 in. (in red area). Notify Field Maintenance.

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				reset button is pressed, shut down engine (Volume 1, WP 0016). Service air cleaner (WP 0313). Start engine (Volume 1, WP 0016).	



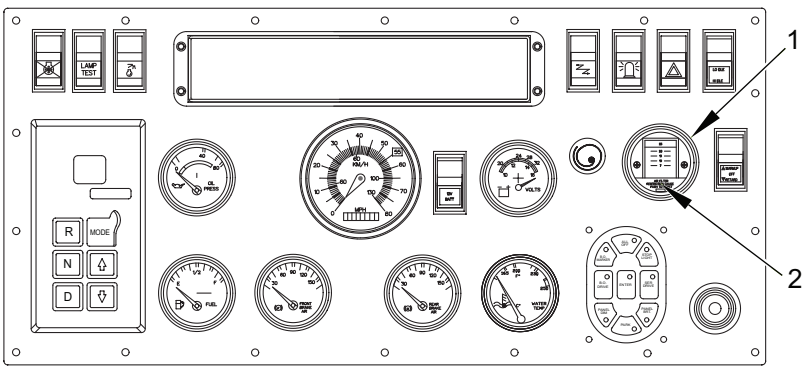
STEERING WHEEL
REMOVED FOR CLARITY

Figure 33. Interior Cab Components (Vehicle S/N 11438 through 18549).

				NOTE The following step applies to vehicle(s) with S/N 18550 through 99999.	
				35. Check AIR FILTER RESTRICTION GAUGE (Figure 34, Item 1). Press reset button (Figure 32, Item 2) if AIR FILTER RESTRICTION GAUGE reads greater than 25 in. (in red area). If AIR FILTER RESTRICTION GAUGE still	AIR FILTER RESTRICTION GAUGE (Figure 34, Item 1) reads greater than 25 in. (in red area). Notify Field Maintenance.

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				reads in red zone after reset button is pressed, shut down engine (Volume 1, WP 0016). Service air cleaner (WP 0313). Start engine (Volume 1, WP 0016).	



STEERING WHEEL
REMOVED FOR CLARITY

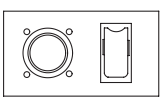


Figure 34. Interior Cab Components (Vehicle S/N 18550 through 99999).

				NOTE The following step applies to vehicle(s) with S/N 100001 through 199999.	
				36. Check that FRONT BRAKE AIR (Volume 1, WP 0004) (Figure 35, Item 3) and REAR BRAKE AIR (Volume 1, WP 0004)	Either gauge indicates less than 75 psi, LOW AIR indicator (Figure 35, Item 4) illuminates, and audible alarm

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				(Figure 35, Item 1) gauges read between 75-120 psi.	(Volume 1, WP 0004) (Figure 35, Item 2) sounds. Notify Field Maintenance.

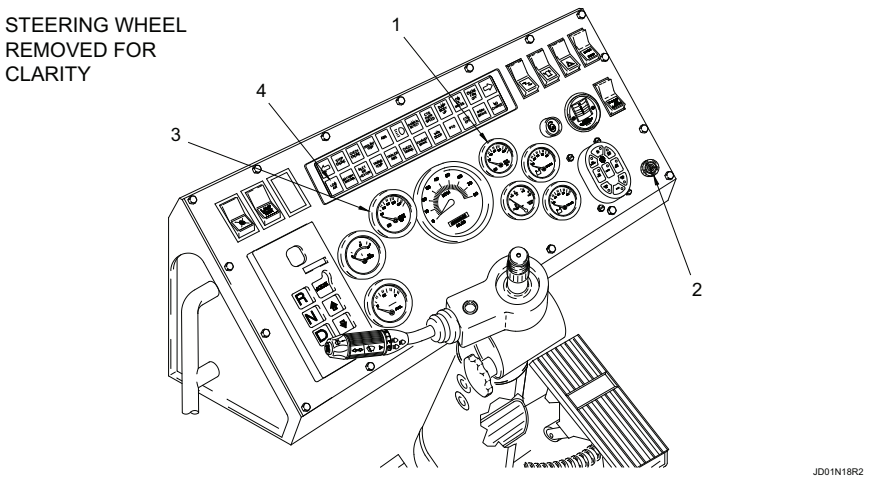
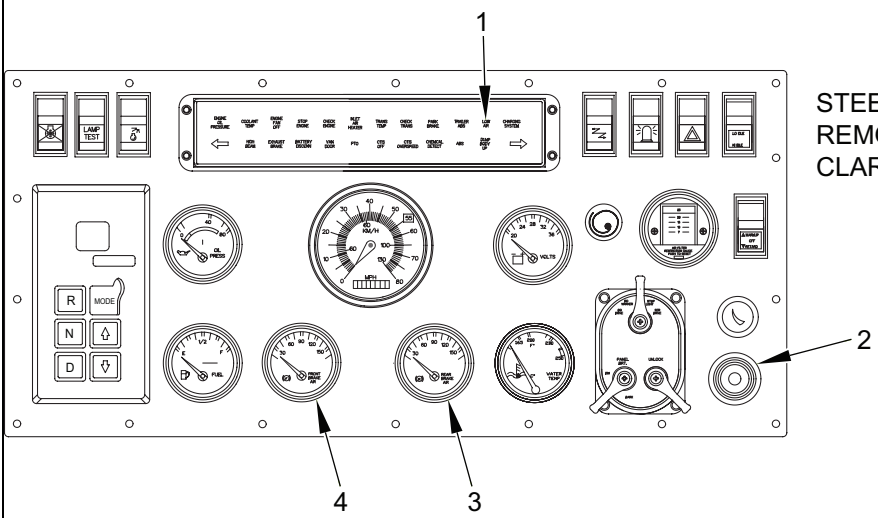


Figure 35. Interior Cab Components (Vehicle S/N 100001 through 199999).

				NOTE The following step applies to vehicle(s) with S/N 11438 through 18549.	
				37. Check that FRONT BRAKE AIR (Volume 1, WP 0004) (Figure 36, Item 4) and REAR BRAKE AIR (Volume 1, WP 0004) (Figure 36, Item 3) gauges read between 75-120 psi.	Either gauge indicates less than 75 psi, LOW AIR indicator (Figure 36, Item 1) illuminates, and audible alarm (Volume 1, WP 0004) (Figure 36, Item 2) sounds.

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
					Notify Field Maintenance.



STEERING WHEEL REMOVED FOR CLARITY

Figure 36. Interior Cab Components (Vehicle S/N 11438 through 18549).

				NOTE The following step applies to vehicle(s) with S/N 18550 through 99999.	
				38. Check that FRONT BRAKE AIR (Volume 1, WP 0004) (Figure 37, Item 4) and REAR BRAKE AIR (Volume 1, WP 0004) (Figure 37, Item 3) gauges read between 75-120 psi.	Either gauge indicates less than 75 psi, LOW AIR indicator (Figure 37, Item 1) illuminates, and audible alarm (Volume 1, WP 0004) (Figure 37, Item 2) sounds. Notify Field Maintenance.

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				NOTE The following step applies to vehicle(s) with S/N 11438 through 18549.	
				39. Check that VOLTS gauge (Figure 38, Item 1) reads between 26 and 30 volts.	VOLTS gauge (Figure 38, Item 1) indicates more than 30 or less than 26 volts. Notify Field Maintenance.

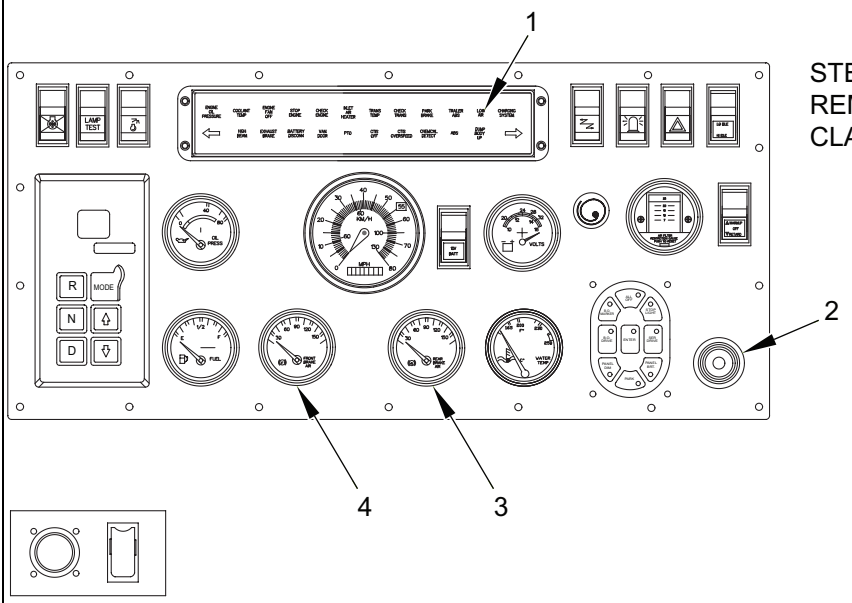
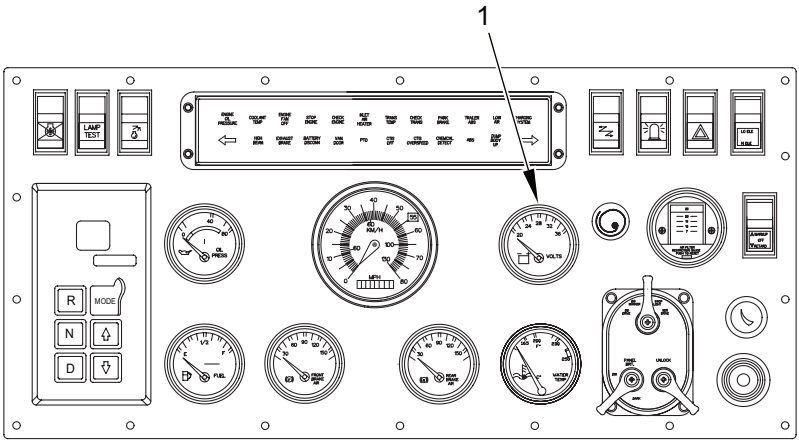


Figure 37. Interior Cab Components (Vehicle S/N 18550 through 99999).

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:



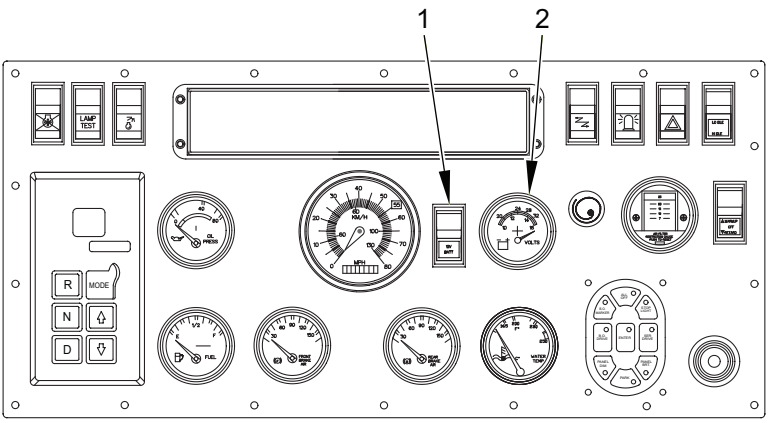
STEERING WHEEL
REMOVED FOR CLARITY

Figure 38. Interior Cab Components (Vehicle S/N 11438 through 18549).

				NOTE The following step applies to vehicle(s) with S/N 18550 through 99999.	
				40. Check that VOLTS gauge (Figure 39, Item 2) reads between 26 and 30 volts. Press 12V BATT switch (Figure 39, Item 1) and check that VOLTS gauge reads between 12 and 14 volts.	VOLTS gauge (Figure 39, Item 2) indicates more than 14 or less than 12 volts when 12V BATT switch (Figure 39, Item 1) is pressed, or VOLTS gauge (Figure 39, Item 2) indicates more than 30 or less than 26 volts with 12V

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
					BATT switch released. Notify Field Maintenance.



STEERING WHEEL
REMOVED FOR CLARITY

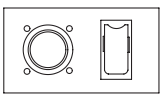


Figure 39. Interior Cab Components (Vehicle S/N 18550 through 99999).

				NOTE The following step applies to vehicle(s) with S/N 100001 through 199999.	
				41. Check that 12VDC VOLTS gauge (Figure 40, Item 1) reads between 12 and 14 volts and 24VDC VOLTS gauge (Figure 40, Item 2) reads between 26 and 30 volts.	12 VDC VOLTS gauge (Figure 40, Item 1) indicates more than 14 or less than 12 volts or 24 VDC VOLTS gauge (Figure 40, Item 2) indicates

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
					more than 30 or less than 26 volts. Notify Field Maintenance.

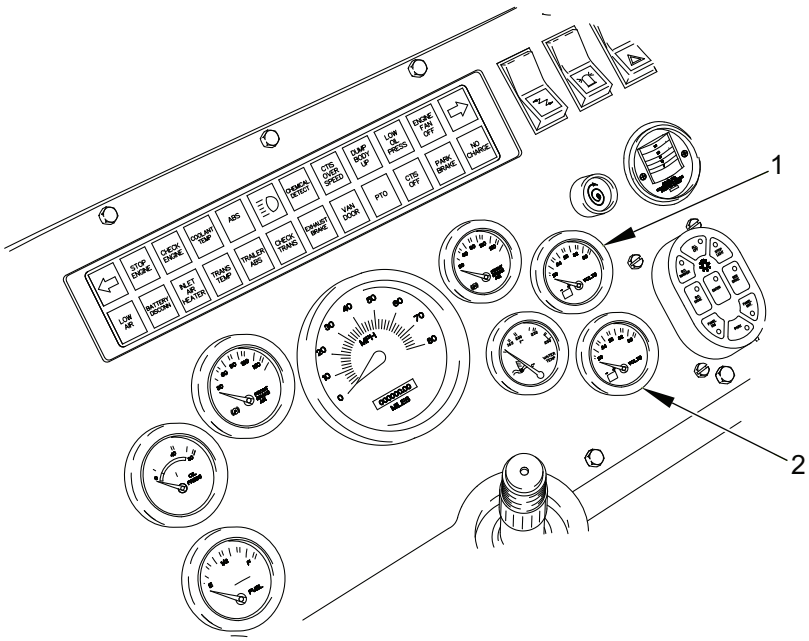


Figure 40. Interior Cab Components (Vehicle S/N 100001 through 199999).

				42. Check FUEL gauge (Volume 1, WP 0004) (Figure 41, Item 1) for proper operation. Compare FUEL reading to observed level of fuel in fuel tank (item 4).	

Table 1. PMCS - Before (All Models) - Continued.

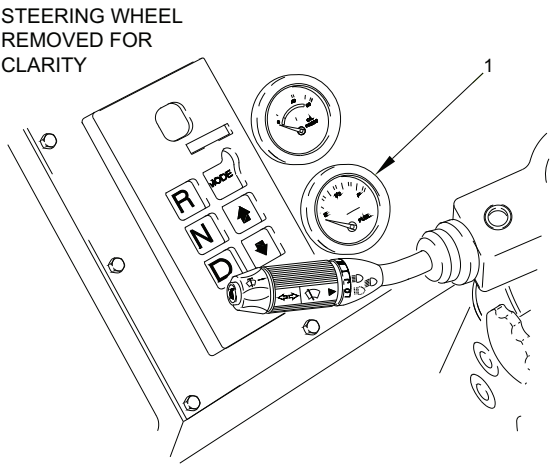
ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				 Figure 41. Interior Cab Components.	
				CAUTION SYSTEM PARK control must be checked while vehicle is stopped. Failure to comply may result in damage to equipment.	
				43. Pull out SYSTEM PARK control (Volume 1, WP 0006) (Figure 42, Item 1).	
				44. Set Transmission Pushbutton Shift Selector (TPSS) (Volume 1, WP 0016) (Figure 42, Item 2) to Drive. Vehicle should not move.	Vehicle moves with parking brake applied. (Volume 2, WP 0234)

Table 1. PMCS - Before (All Models) - Continued.

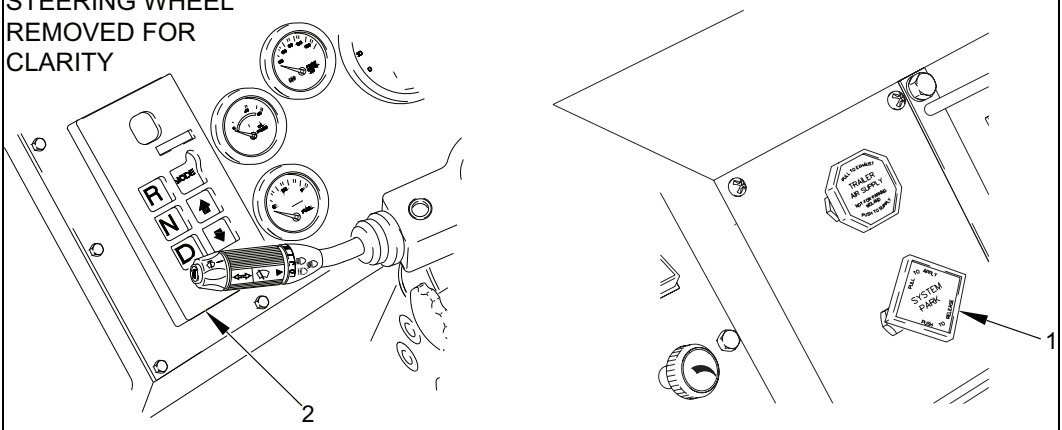
ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
STEERING WHEEL REMOVED FOR CLARITY 					

Figure 42. Interior Cab Components.

				45. Check that TPSS (Figure 43, Item 2) operates properly in all gears. **NOTE** Turn signal switch will not operate unless main selector lever on main light switch is in SER DRIVE position (Operating Vehicle Lights) (Volume 1, WP 0016). 46. Check turn signal switch and turn signal indicators for proper operation. (Volume 1, WP 0007) (Figure 43, Item 1).	

Table 1. PMCS - Before (All Models) - Continued.

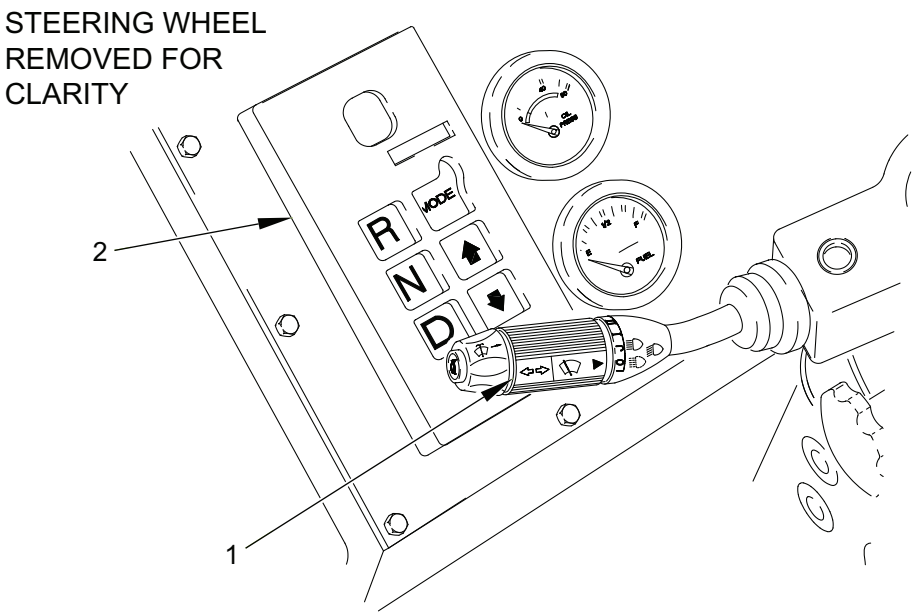
ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				 Figure 43. Interior Cab Components.	
				47. Check hazard lights switch (Volume 1, WP 0007) (Figure 44, Item 1) for proper operation. 48. Check LO IDLE/HI IDLE switch (Volume 1, WP 0004) (Figure 44, Item 2) for proper operation. 49. Check WARMUP/OFF/ RETARD switch (Volume 1, WP 0004) (Figure 44, Item 3) for proper operation.	

Table 1. PMCS - Before (All Models) - Continued.

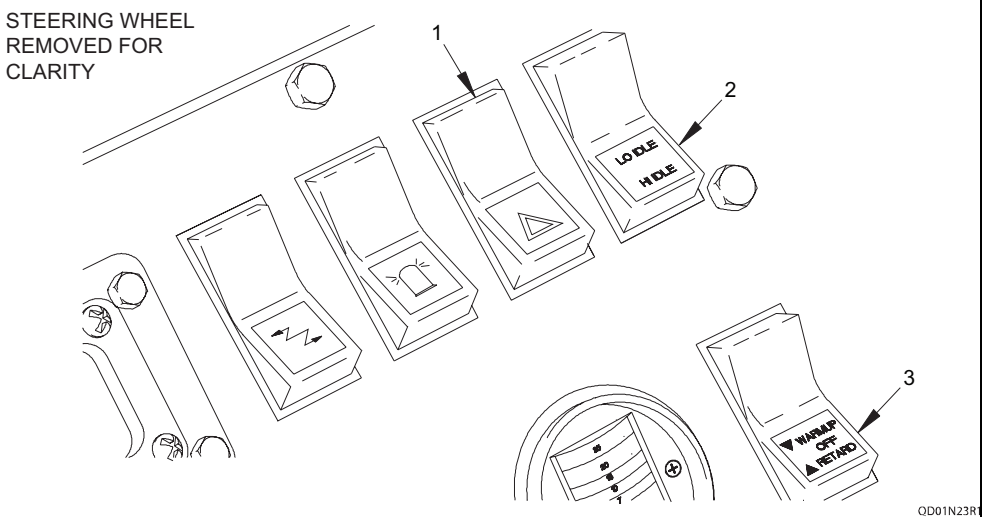
ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				 Figure 44. Interior Cab Components.	
14	Before	0.1	Horn Button	**NOTE** • Operating vehicle with damaged or inoperable horn may violate AR 385-10. • Checking horn is a safety task that would not be performed in a tactical mission. See AR 385-10.	

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				1. Check horn button (Figure 45, Item 1) for proper operation.	Horn is not operable. Notify Field Maintenance.

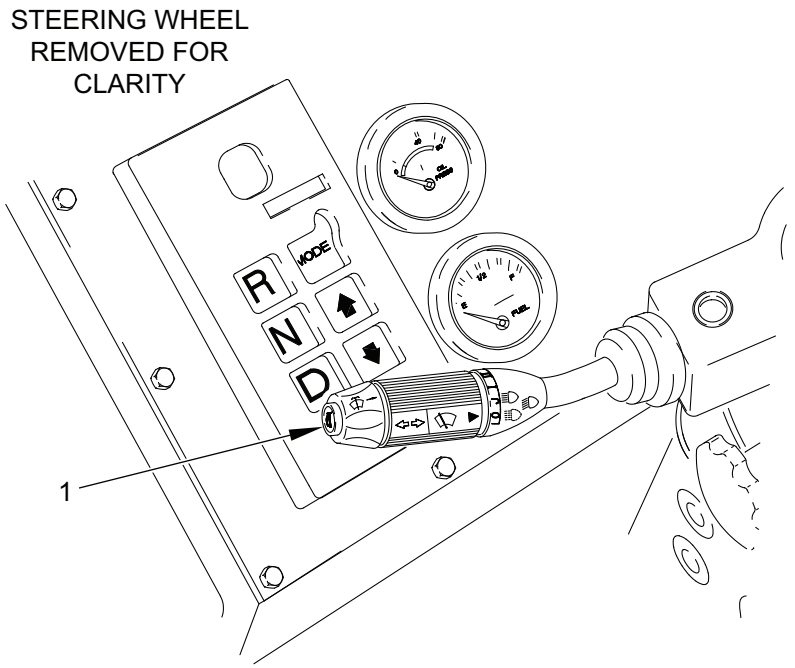


Figure 45. Horn Button.

15	Before	0.1	Lights	**NOTE** • Operating vehicle with damaged or inoperable headlights may violate AR 385-10.	

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				• Checking lights is a safety task that would not be performed in a tactical mission. See AR 385-10. 1. Check headlights, turn signals, taillights, stoplights, marker lights, blackout drive, and blackout marker lights for damage and proper operation. (Volume 1, WP 0016)	Any lights, horn, and turn signals not working. Notify Field Maintenance.
16	Before	0.1	Tires	Check for worn, damaged, or improperly inflated tires (Figure 46, Item 1).	Tire tread missing or tire deflated. Notify Field Maintenance.

Table 1. PMCS - Before (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:

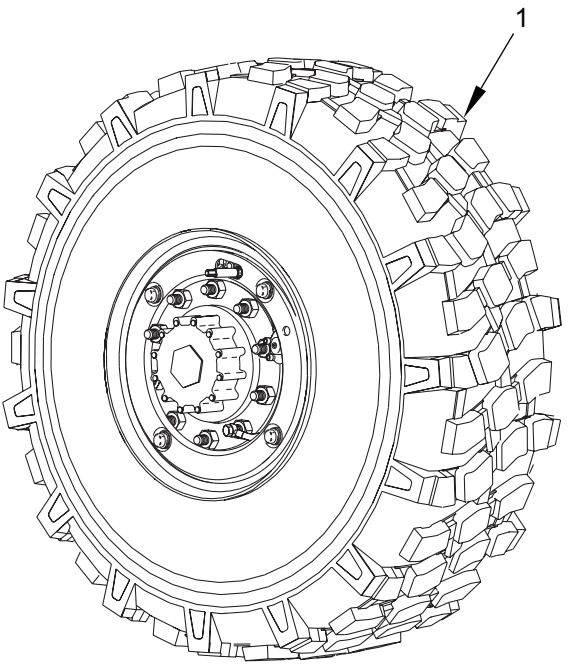


Figure 46. Tires.

***** The following is applicable to the following UOC(s): LBB LXB. *****

Table 2. PMCS - Before (M1078A1) (Vehicle S/N 11438 through 99999).

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
1	Before	0.1	Troop Transport Alarm Switch (If Equipped)	1. Check that attaching knobs (Figure 47, Item 3) are tight. 2. Position master power switch (Volume 1, WP	

Table 2. PMCS - Before (M1078A1) (Vehicle S/N 11438 through 99999) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				0004) (Figure 47, Item 1) to on. 3. Position troop transport alarm switch (Volume 1, WP 0012) (Figure 47, Item 2) to on. 4. Verify that audible alarm (Volume 1, WP 0004) (Figure 47, Item 4) sounds in cab. 5. Position troop transport alarm switch (Volume 1, WP 0012) (Figure 47, Item 2) to off. 6. Position master power switch (Volume 1, WP 0004) (Figure 47, Item 1) to off.	

Table 2. PMCS - Before (M1078A1) (Vehicle S/N 11438 through 99999) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:

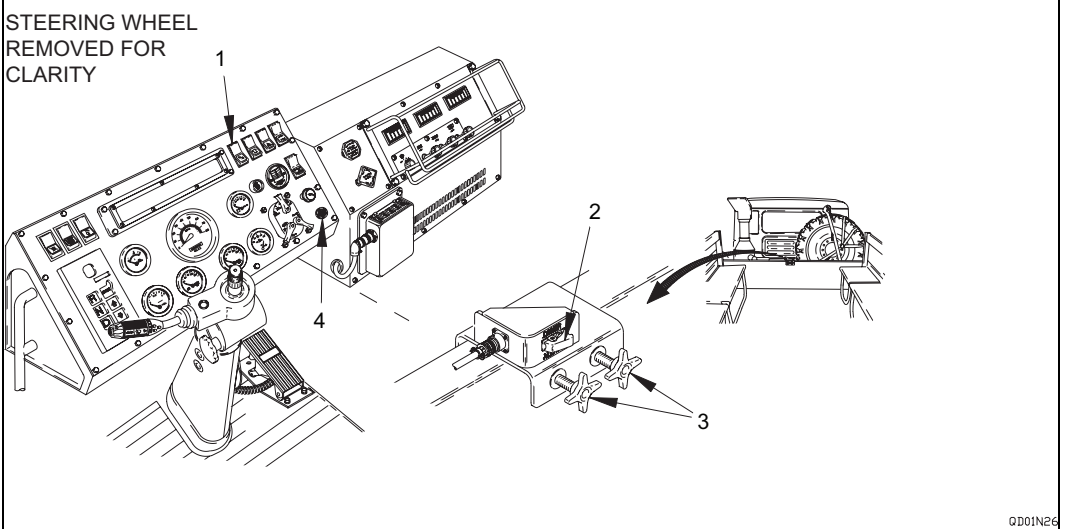


Figure 47. Troop Transport Alarm Switch.

***** The following is applicable to the following UOC(s): LBB LXB LBC LXC. *****

Table 3. PMCS - Before (M1078A1, M1081A1, M1083A1, M1085A1) (Vehicle S/N 100001 through 199999).

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
1	Before	0.1	Two-Way Troop Intercom (If Equipped)	1. Check that the cargo (Figure 48, Item 1) and cab two-way intercoms (Volume 1, WP 0012) (Figure 48, Item 2) are operating.	

Table 3. PMCS - Before (M1078A1, M1081A1, M1083A1, M1085A1) (Vehicle S/N 100001 through 199999) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:

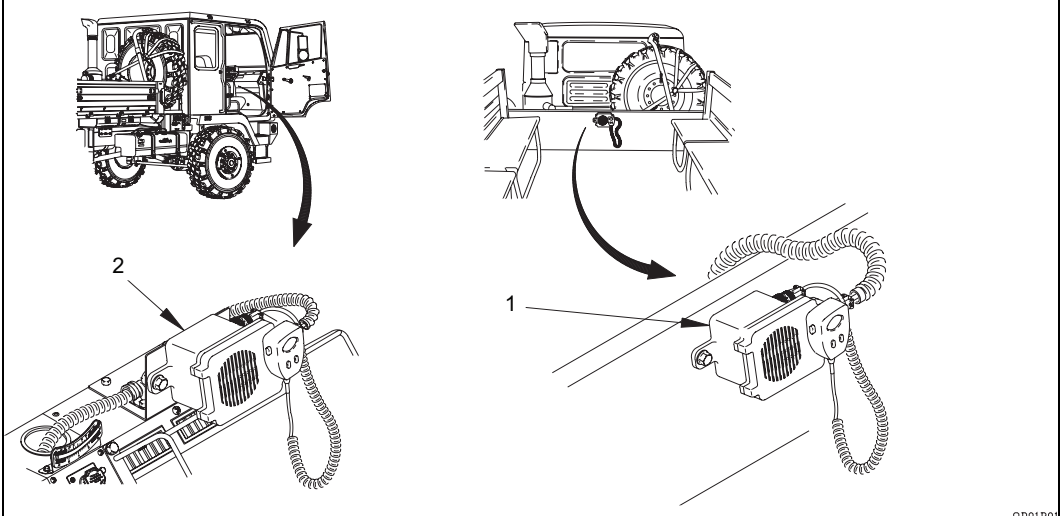


Figure 48. Two-Way Troop Intercom.

***** The following is applicable to the following UOC(s): LBB LXB. *****

Table 4. Before PMCS (M1078A1, M1083A1, M1084A1, M1084A1(RSV), M1085A1, M1086A1, M1090A1, M1093A1, M1157) (Vehicle S/N 100001 through 199999).

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
1	Before	0.1	Troop Transport Alarm Switch (If Equipped)	1. Check that attaching knobs (Figure 49, Item 2) are tight. 2. Position master power switch (Volume 1, WP 0004) to on.	

Table 4. Before PMCS (M1078A1, M1083A1, M1084A1, M1084A1(RSV), M1085A1, M1086A1, M1090A1, M1093A1, M1157) (Vehicle S/N 100001 through 199999) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				3. Position troop transport alarm switch (Volume 1, WP 0012) (Figure 49, Item 1) to on. 4. Verify that audible alarm (Volume 1, WP 0004) (Figure 49, Item 3) sounds in cab.	

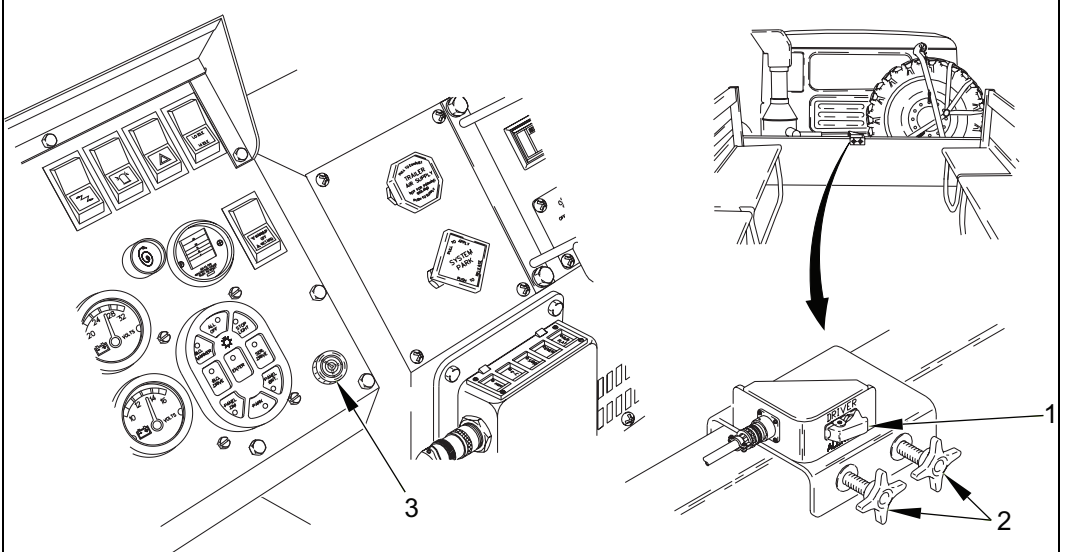


Figure 49. Troop Transport Alarm Switch.

				5. Position troop transport alarm switch (Volume 1, WP 0012) to off. 6. Position master power switch (Volume 1, WP 0004) to off.	

Table 4. Before PMCS (M1078A1, M1083A1, M1084A1, M1084A1(RSV), M1085A1, M1086A1, M1090A1, M1093A1, M1157) (Vehicle S/N 100001 through 199999) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
2	Before	0.1	Two-way Troop Intercom (If Equipped)	1. Check that cargo (Figure 50, Item 1) and cab two-way intercoms (Volume 1, WP 0012) (Figure 50, Item 2) operate.	

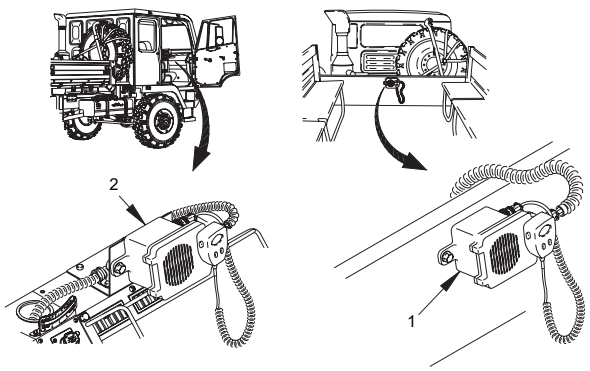


Figure 50. Two-way Troop Intercom.

***** The following is applicable to the following UOC(s): LBD LXD. *****

Table 5. Before PMCS (M1079A1).

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
1	Before	0.1	Van Body	Inspect van body (Figure 51, Item 3), windows (Figure 51, Item 1), and blackout screens (Figure 51, Item 2) for obvious signs of damage.	

Table 5. Before PMCS (M1079A1) - Continued.

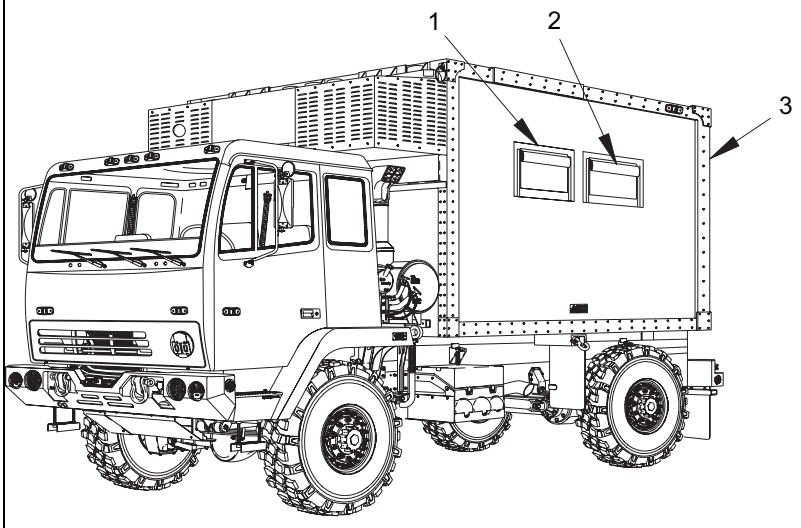
ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
 JD01N29 Figure 51. Van Body.					
2	Before	0.1	Van Doors	1. Check door hinges (Figure 52, Item 1) for damage and broken welds. 2. Check van doors (Figure 52, Item 3) for missing or damaged latches (Figure 52, Item 2). Check that latches lock securely when van doors are closed.	More than one door hinge is damaged or weld is broken.

Table 5. Before PMCS (M1079A1) - Continued.

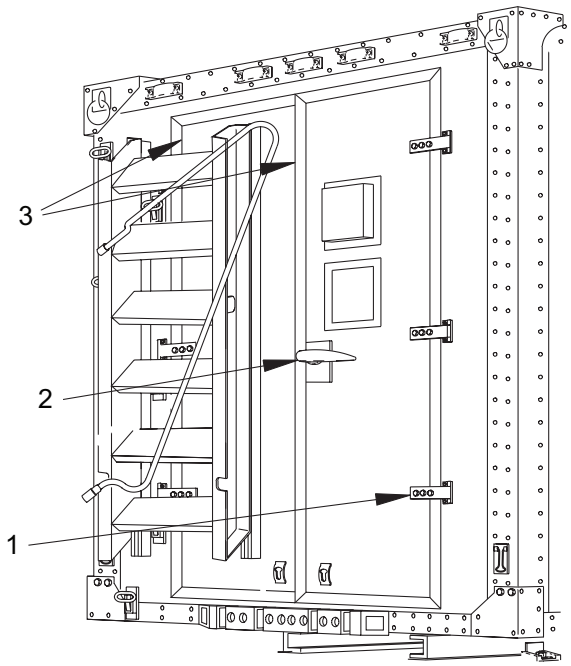
ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
 Figure 52. Van Doors.					
3	Before	0.1	Ladder	1. Lower ladder (Volume 1, WP 0024) (Figure 53, Item 3). 2. Check ladder mount (Figure 53, Item 1) for damaged or broken welds. 3. Check ladder for damaged rungs (Figure 53, Item 4), damaged handle (Figure 53, Item 2) and broken welds.	

Table 5. Before PMCS (M1079A1) - Continued.

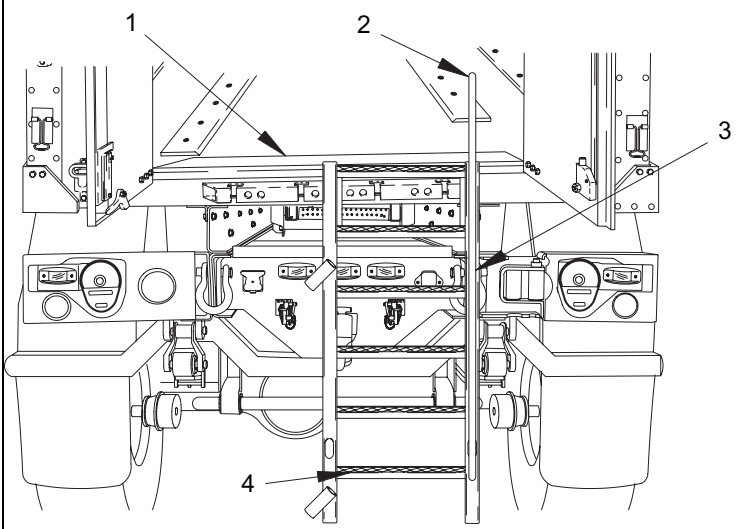
ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				 JD01N31 Figure 53. Ladder.	
4	Before	0.1	Van Body Interior	1. Check blackout panels (Figure 54, Item 5), ventilation fan (Figure 54, Item 6), power distribution panel (Figure 54, Item 1), electrical receptacle (Figure 54, Item 4), INTERIOR LIGHTS switch (Figure 54, Item 2), blackout override switch (Figure 54, Item 3), and fan switch (Volume 1, WP 0013) (Figure 54, Item 7) for obvious signs of damage. 2. Stow ladder (Volume 1, WP 0024).	

Table 5. Before PMCS (M1079A1) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:

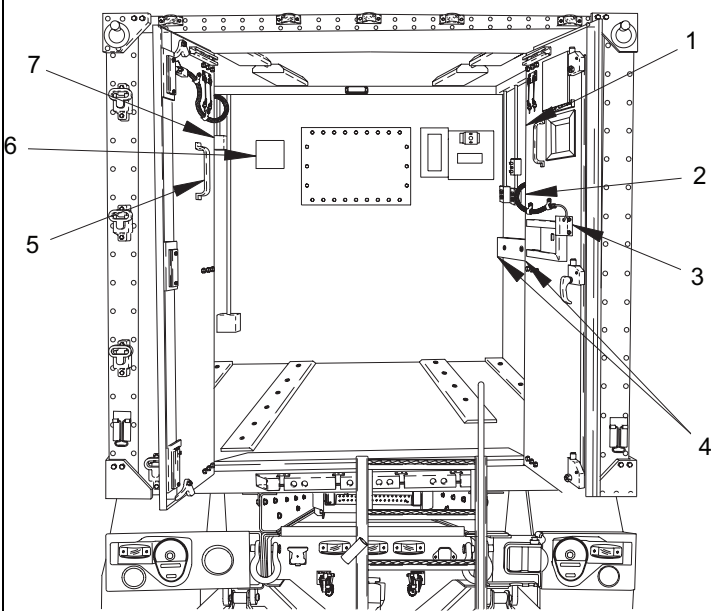


Figure 54. Van Body Interior.

MANDATORY REPLACEMENT PARTS

No replacement parts are required for these PMCS procedures.

END OF WORK PACKAGE

OPERATOR MAINTENANCE
DURING PMCS

INITIAL SETUP:

Personnel Required
Motor Transport Operator 88M (2)

Table 1. PMCS - During (All Models).

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
1	During	0.1	Controls and Indicators	**CAUTION** All gauges must maintain normal readings as listed in BEFORE checks during vehicle operation. Operating the vehicle for an extended period of time with any of the gauges reading outside of normal limits may result in damage to equipment. 1. Monitor all gauges, warnings lights, and audible alarms during operation.	Gauges do not read properly, warning lights or audible alarms indicate malfunction and immediate corrective action by the Operator may not correct the problem. Notify Field Maintenance.
2	During	0.5	Engine Operation	Check for excessive exhaust smoke, unusual	Any of these conditions found.

Table 1. PMCS - During (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				engine noise, rough running, or misfiring engine.	
3	During	0.3	Central Tire Inflation System (CTIS)	Check operation of CTIS (Volume 1, WP 0018).	
4	During	0.3	Air Dryer	**NOTE** Sound of air dryer discharging is normal. 1. Listen for air dryer (Figure 1, Item 1) discharge when system air pressure reaches approximately 120 psi (827 kPa).	

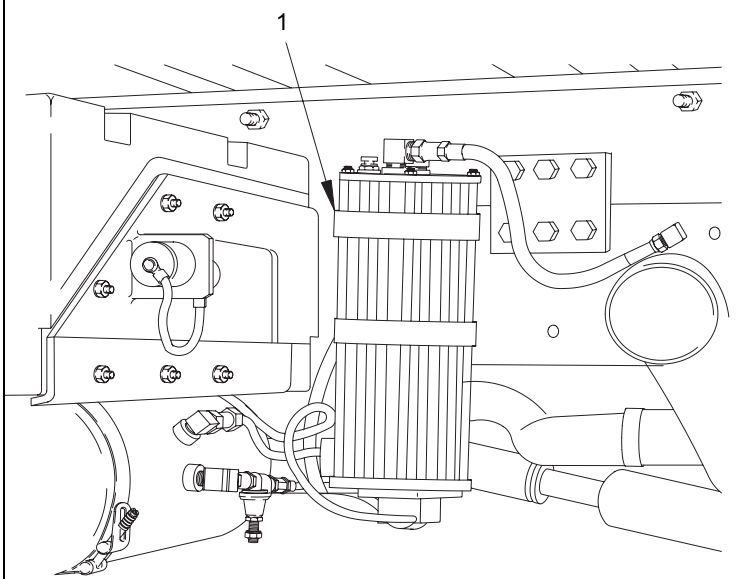


Figure 1. Air Dryer.

5	During	0.1	Steering	1. Check for loose steering components, any unusual	Steering binds or is unresponsive.

Table 1. PMCS - During (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				steering noise, binding, or difficulty in turning during operation.	
6	During	0.3	Service Brakes	1. Check to see if service brakes stop vehicle. 2. Check to see if service brakes pull vehicle to one side when applied (Volume 2, WP 0232). 3. Listen for unusual noises (chattering, grinding, groaning, or excessive squealing) during braking.	Service brakes do not stop. Vehicle pulls to one side when service brakes are applied. Notify Field Maintenance if unusual noises are present.

***** The following is applicable to the following UOC(s): LBB LXB LBC LXC. *****

Table 2. PMCS - During (M1078A1, M1081A1).

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
1	During	0.3	Light Material Handling Crane (LMHC) (If Equipped)	**NOTE** Light Material Handling Crane (LMHC) is checked during operation when required as part of vehicle mission. 1. Check for loose, missing, or damaged drive motor (Figure 2, Item 1) mounting bolts. Tighten loose bolts. If bolts are missing, damaged, or cannot be tightened, notify Field Maintenance.	

Table 2. PMCS - During (M1078A1, M1081A1) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				2. Using winch remote control (Figure 2, Item 2), check that LMHC cable (Figure 2, Item 3) pays out and reels in properly (Volume 1, WP 0019). 3. Rotate LMHC to right and left, checking for any binding or any restriction to movement of all LMHC components (Volume 1, WP 0019).	

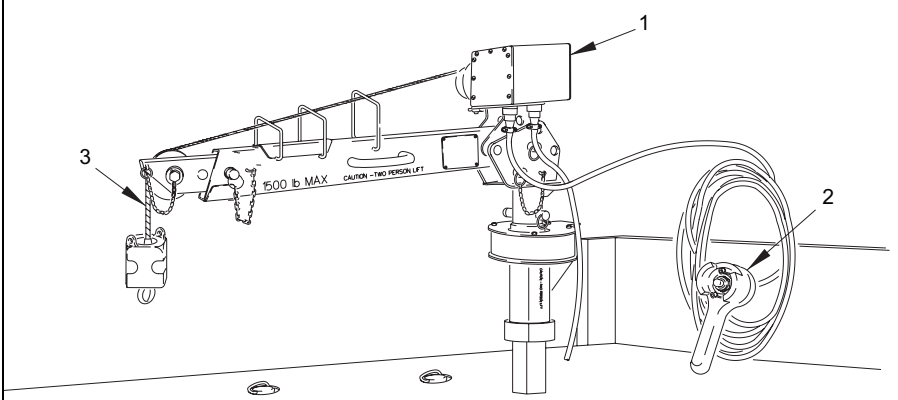
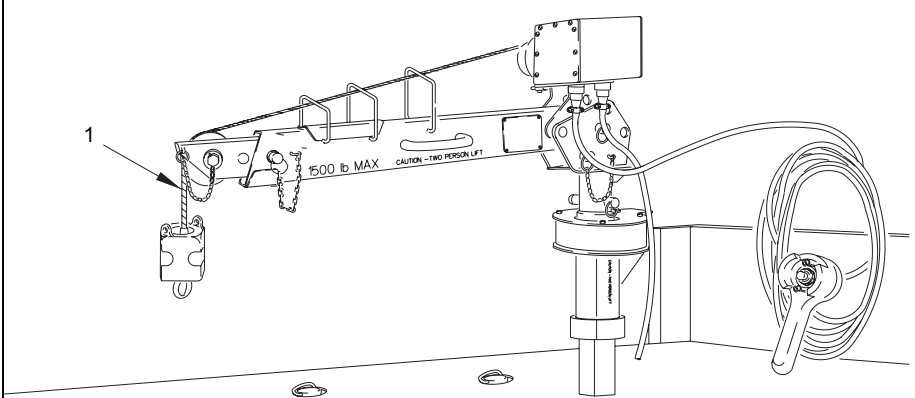


Figure 2. Light Material Handling Crane (LMHC).

Table 2. PMCS - During (M1078A1, M1081A1) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				WARNING Wear heavy leather-palmed work gloves when handling cable. Cables can become frayed or contain broken wires. Never let moving cable slide through hands, even when wearing gloves. Failure to comply may result in injury to personnel.	
				4. Check cable (Figure 3, Item 1) for kinks, frays, and breaks.	Evidence of kinks, frays, or breaks.



QD02N07

Figure 3. Light Material Handling Crane (LMHC).

***** The following is applicable to the following UOC(s): LBD LXD. *****

Table 3. PMCS - During (M1079A1).

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
1	During	0.1	Interior Lights	1. Position main light switch to SER DRIVE or STOP LIGHT (Volume 1, WP 0016). 2. Position INTERIOR LIGHTS switch (Figure 4, Item 2) to ON and check that four interior lights (Figure 4, Item 1) illuminate.	

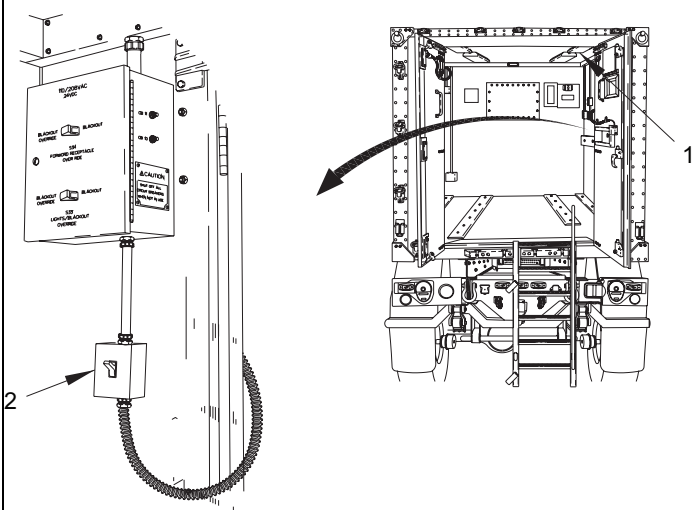


Figure 4. Interior Lights.

				3. Position INTERIOR LIGHTS switch (Figure 5, Item 3) to ON and check that two blackout lights (Figure 5, Item 1) and two	

Table 3. PMCS - During (M1079A1) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				emergency lights (Figure 5, Item 2) illuminate.	

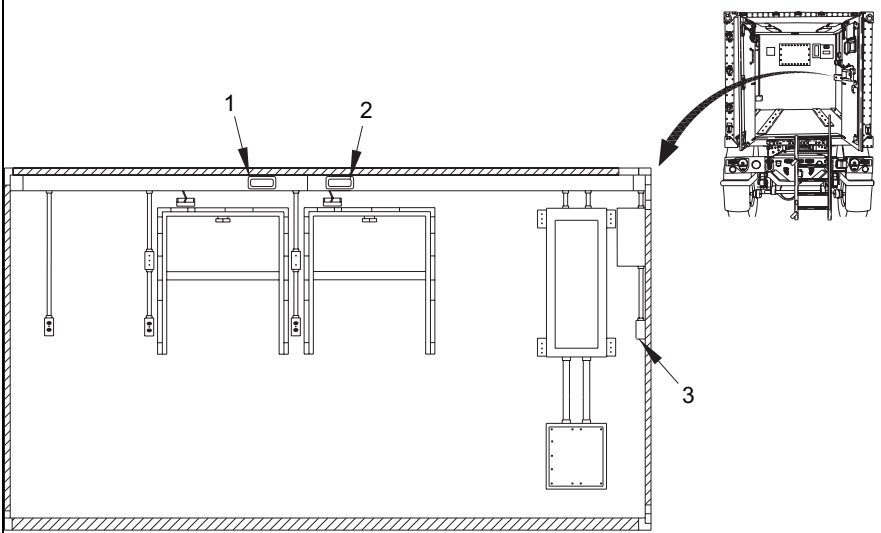


Figure 5. Interior Lights.

2	During	0.1	Ventilation Fan	1. Turn on ventilation fan switch (Figure 6, Item 2) and check that ventilation fan (Figure 6, Item 1) operates properly. 2. Position main light switch to OFF. (Volume 1, WP 0016)	

Table 3. PMCS - During (M1079A1) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:

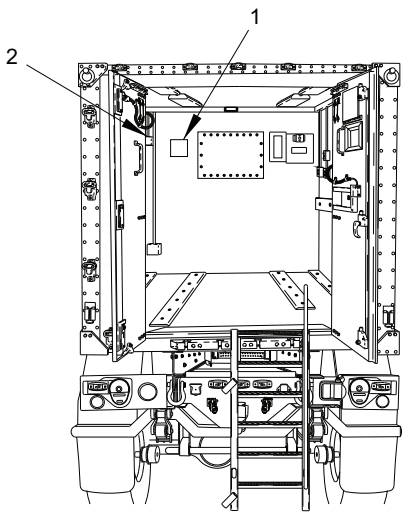


Figure 6. Ventilation Fan.

MANDATORY REPLACEMENT PARTS

No replacement parts are required for these PMCS procedures.

END OF WORK PACKAGE

OPERATOR MAINTENANCE
AFTER PMCS

INITIAL SETUP:

Tools and Special Tools
- Screwdriver, Flat Tip (WP 0319, Table 2, Item 24)
- Suitable Drain Pan
- Wrench, Adjustable, 8 in. (WP 0319, Table 2, Item 39)
- Wrench, Adjustable, 12 in. (WP 0319, Table 2, Item 41)
- Wrench, Socket (WP 0319, Table 2, Item 43)

Materials/Parts
- Grease, Automotive and Artillery (WP 0321, Table 1, Item 12, 13, 14, 15, 16)

Materials/Parts (cont.)
- Oil, Lubricating, OE/HDO-10 (WP 0321, Table 1, Item 22, 23, 24, 25)
- Oil, Lubricating, OE/HDO 15W40 (WP 0321, Table 1, Item 26, 27, 28)
- Oil, Lubricating, OEA, Arctic (WP 0321, Table 1, Item 29, 30)

References
- AR 385-10

Table 1. PMCS - After (All Models).

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
1	After	0.1	Hydraulic Manifold (Vehicle S/N 11438 through 99999)	1. Inspect hydraulic manifold (Figure 1, Item 1) for leakage.	Class III leak is evident. Notify Field Maintenance.

Table 1. PMCS - After (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:

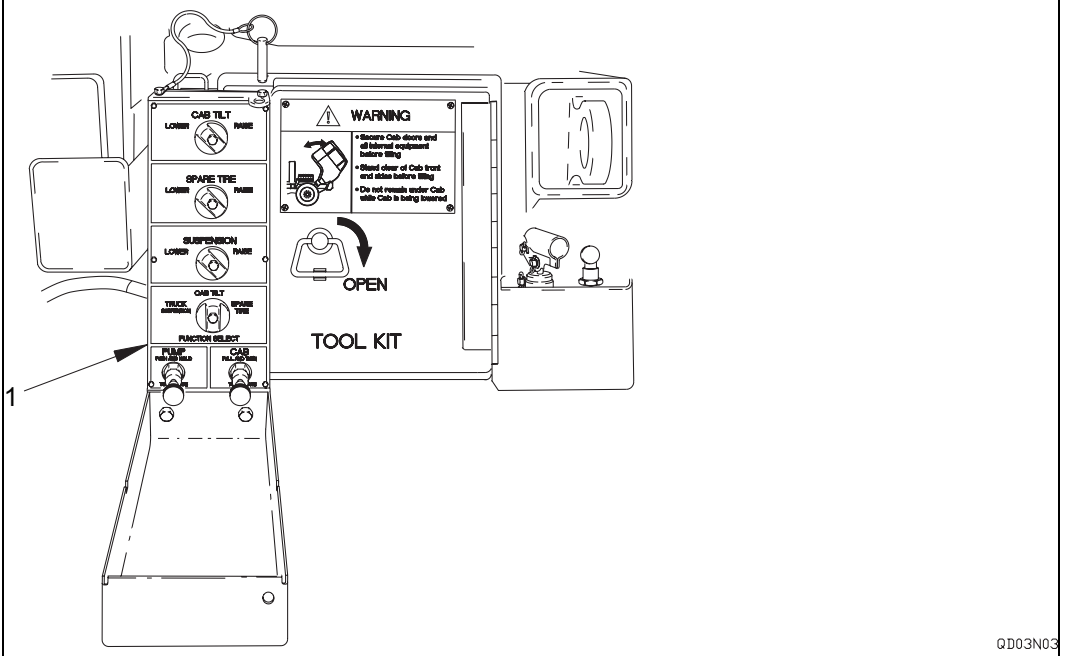



Figure 1. Hydraulic Manifold (Vehicle S/N 11438 through 99999).					
2	After	0.1	Hydraulic Manifold (Vehicle S/N 100001 through 199999)	1. Inspect hydraulic manifold (Figure 2, Item 1) for leakage.	Class III leak is evident. Notify Field Maintenance.

Table 1. PMCS - After (All Models) - Continued.

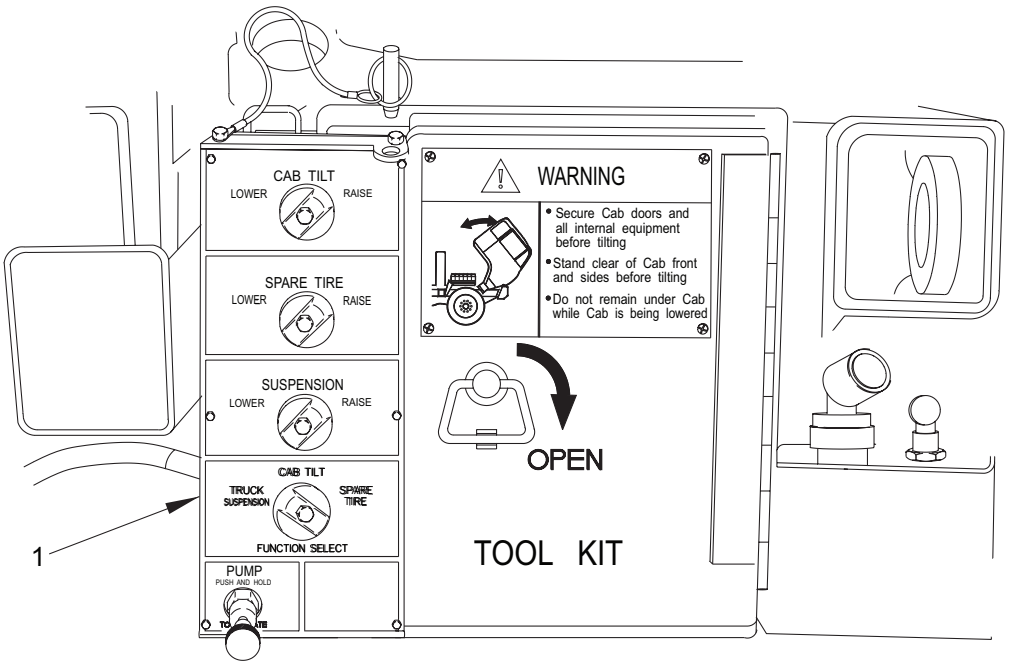
ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				 Figure 2. Hydraulic Manifold (Vehicle S/N 100001 through 199999).	
3	After	0.3	Cab Hydraulic Cylinder	1. Raise cab. (Volume 1, WP 0017) 2. Check cab hydraulic cylinder (Figure 3, Item 2) for oil leaks or damage. 3. Check linkage (Figure 3, Item 1) for damage and missing hardware.	 Class III leak is evident or cab will not raise or lower. Notify Field Maintenance. Linkage is damaged or missing hardware. Notify Field Maintenance.

Table 1. PMCS - After (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
4	After	0.1	Cab Hydraulic Latch	1. Check cab hydraulic latch (Figure 3, Item 3) for damage and hoses for oil leaks.	Class III leak is evident and cab will not latch. Notify Field Maintenance.

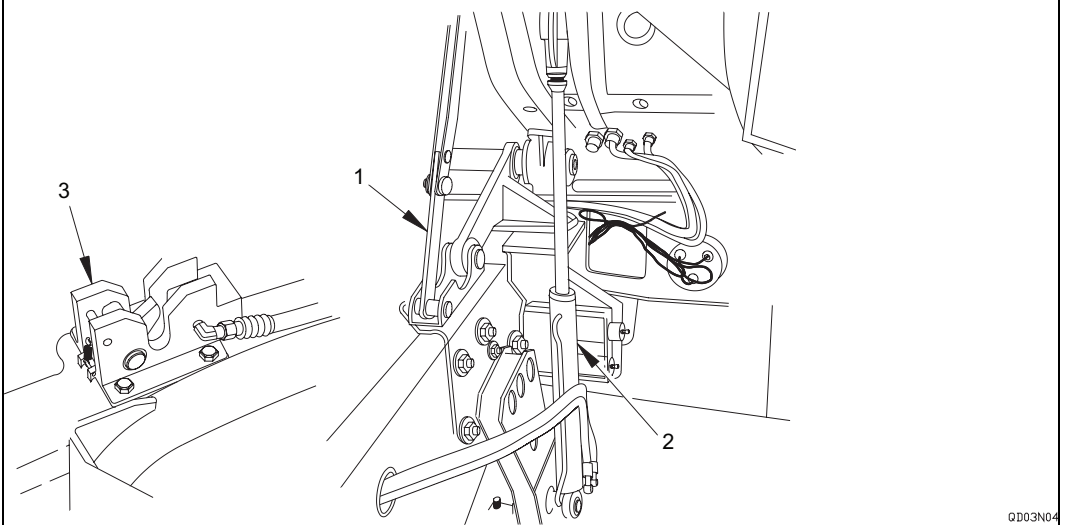


Figure 3. Cab Hydraulic Latch.

Table 1. PMCS - After (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
5	After	0.1	Fuel/Water Separator	**WARNING** Do not perform fuel/ water separator checks, inspections, or draining while smoking, or when near fire or sparks. Fuel could ignite. Failure to comply may result in serious injury or death to personnel. **NOTE** Operating vehicle with damaged fuel/water separator may violate AR 385-10. 1. Check fuel/water separator (Figure 4, Item 1) for leaks or damage. 2. Check for presence of water in bowl (Figure 4, Item 2) of fuel/water separator (Figure 4, Item 1). If there is any water in bowl, perform the following steps:	Class III leak is evident. Notify Field Maintenance.

Table 1. PMCS - After (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				WARNING Use a drain pan or appropriate containment equipment to capture any draining or leaking fluid. Refer to local procedures and plans for preventing and responding to fluid spills or leaks. Comply with local regulations when disposing of clean up material and leaked and spilled fluids. Failure to comply may cause damage to environment and health of personnel. Failure to comply may result in death or injury to personnel. Seek medical attention in the event of an injury. a. Turn knurled nut (Figure 4, Item 3) to the left to open drain valve. b. Keep draining until only pure fuel is coming out. c. Close drain valve by turning knurled nut (Figure 4, Item 3) to the right.	

Table 1. PMCS - After (All Models) - Continued.

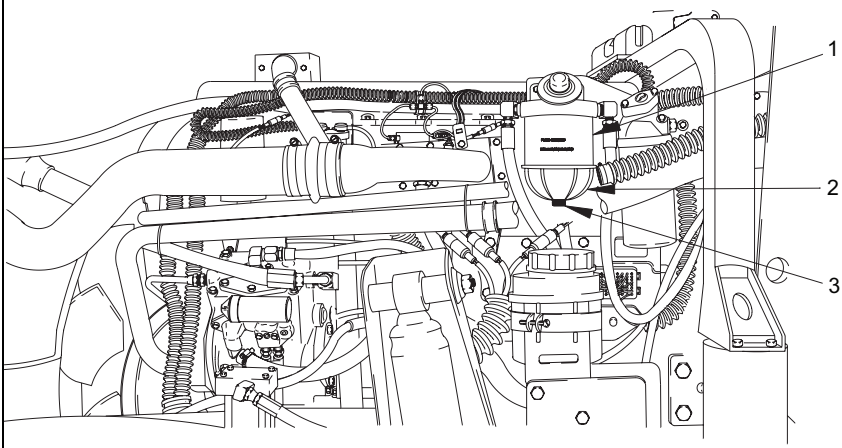
ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
 Figure 4. Fuel/Water Separator.					
6	After	0.1	Engine Compartment	1. Visually inspect engine compartment for obvious damage that would impair operation.	Class III leak or burned electrical components are evident. Notify Field Maintenance.
7	After	0.3	Engine Oil	**CAUTION** Do not overfill engine with oil. Failure to comply may result in damage to equipment. 1. Check engine oil dipstick (Figure 5, Item 1) for oil level. Level should be between ADD line and OPERATING RANGE line.	If engine oil is over OPERATING RANGE line, discolored, or milky, notify Field Maintenance.

Table 1. PMCS - After (All Models) - Continued.

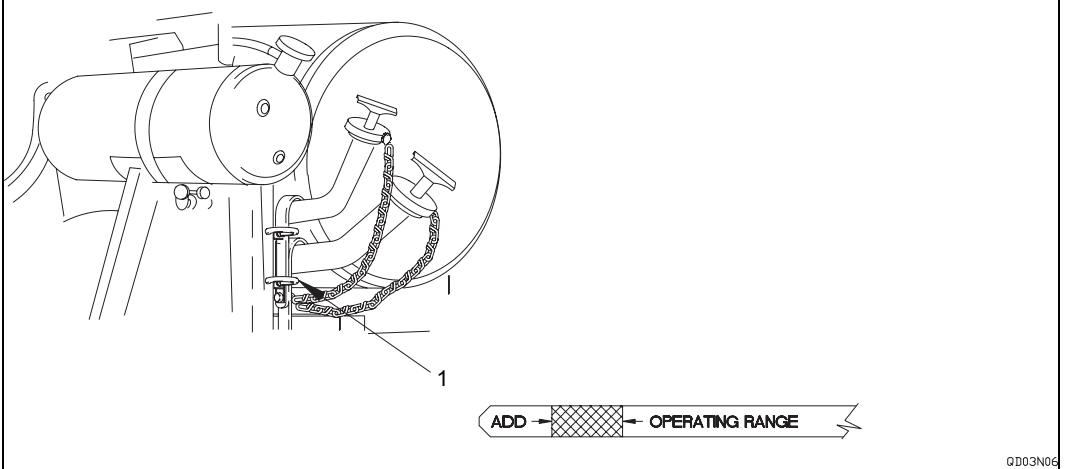
ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
					
				2. Add oil as required (WP 0301). 3. Lower cab (Volume 1, WP 0017).	
8	After	0.1	Transmission Oil	**NOTE** • Perform transmission oil check with engine running and at normal operating temperature (160-230° F (71-110° C)).	

Figure 5. Engine Oil.

Table 1. PMCS - After (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				• Perform transmission oil check with vehicle parked on level surface. 1. Start engine. (Volume 1, WP 0016) 2. Check transmission oil dipstick (Figure 6, Item 1) for transmission oil level. Level should be between HOT ADD line and HOT FULL line.	If transmission oil is over HOT FULL line, discolored, or milky, notify Field Maintenance.

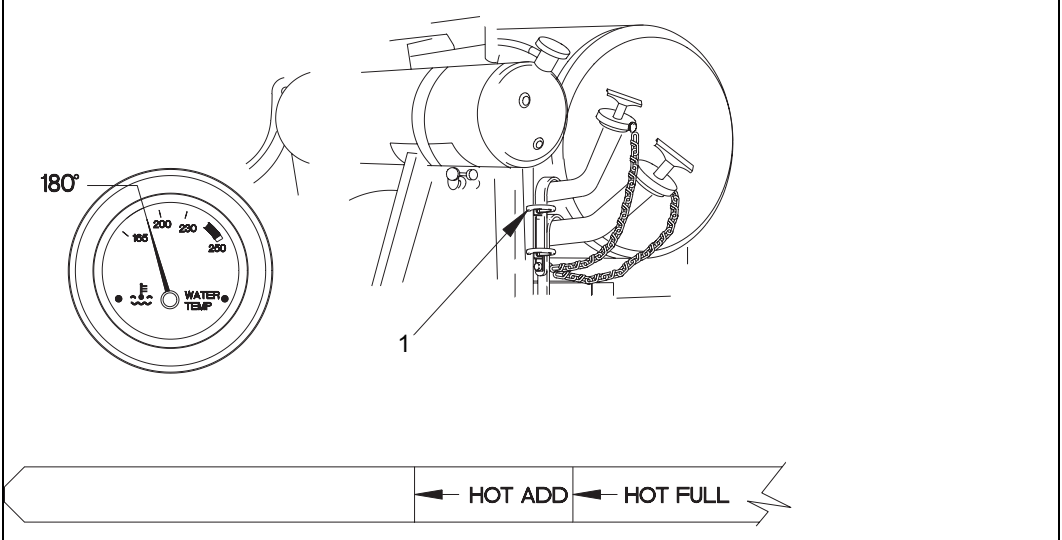


Figure 6. Transmission Oil.

				3. Add oil, 1 quart at a time, until transmission oil level is between HOT FULL and	

Table 1. PMCS - After (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				HOT ADD lines (WP 0315, Table 8). 4. Shut down engine (Volume 1, WP 0016).	
9	After	0.2	Hydraulic Reservoir (If Equipped)	**NOTE** Hydraulic reservoir is considered full when oil level gauge reads above 3/4 mark. 1. Check oil level gauge (Figure 7, Item 2) to determine oil level. 2. Remove hydraulic reservoir cap (Figure 7, Item 1) to visually inspect oil level. Add oil as required (WP 0315, Table 9). 3. Install hydraulic reservoir cap (Figure 7, Item 1).	

Table 1. PMCS - After (All Models) - Continued.

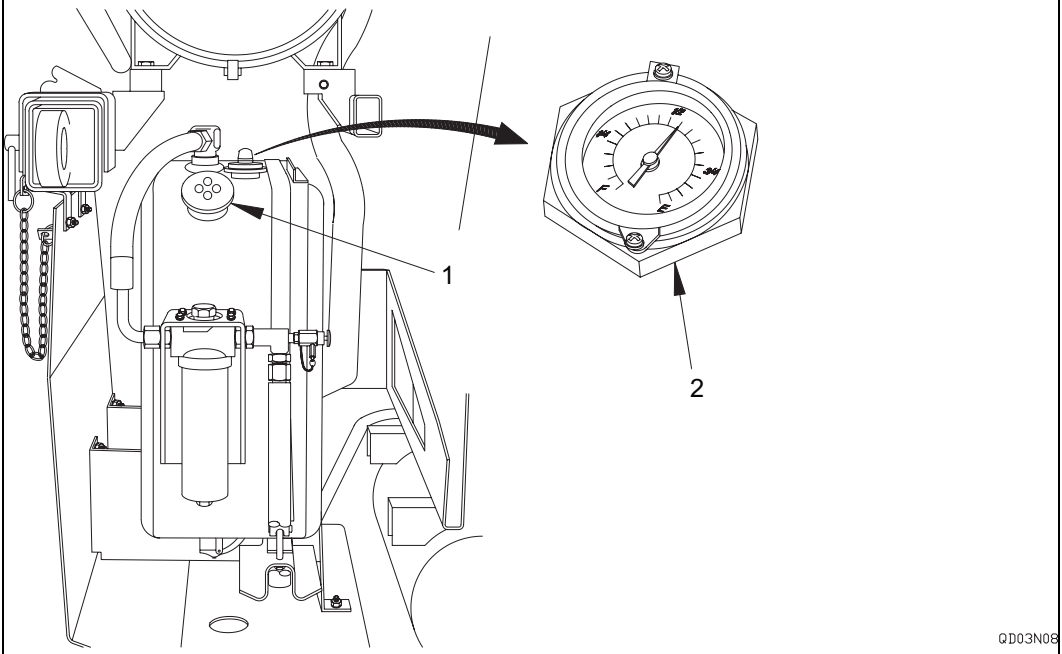
ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
 Figure 7. Hydraulic Reservoir.					
10	After	0.1	Air Tanks	1. With vehicle parked and engine shut down, listen for sound of air leaks around air tanks (Figure 8, Item 1). 2. Open air tanks drain valves (Figure 8, Item 2) and drain moisture.	Air leak(s) heard around air tanks.

Table 1. PMCS - After (All Models) - Continued.

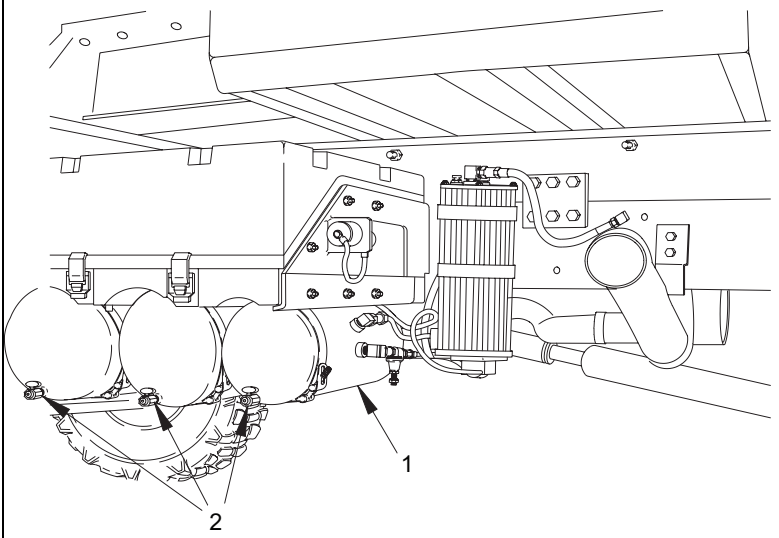
ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
 Figure 8. Air Tanks.					
11	After	0.2	Tires	1. Check for missing or improperly inflated tires. Check tires for cuts, gouges, cracks, and unusual bulges. Remove any object that could penetrate tire(s).	Tire tread missing. Deflated, or worn to wear bar (Figure 9, Item 1).

Table 1. PMCS - After (All Models) - Continued.

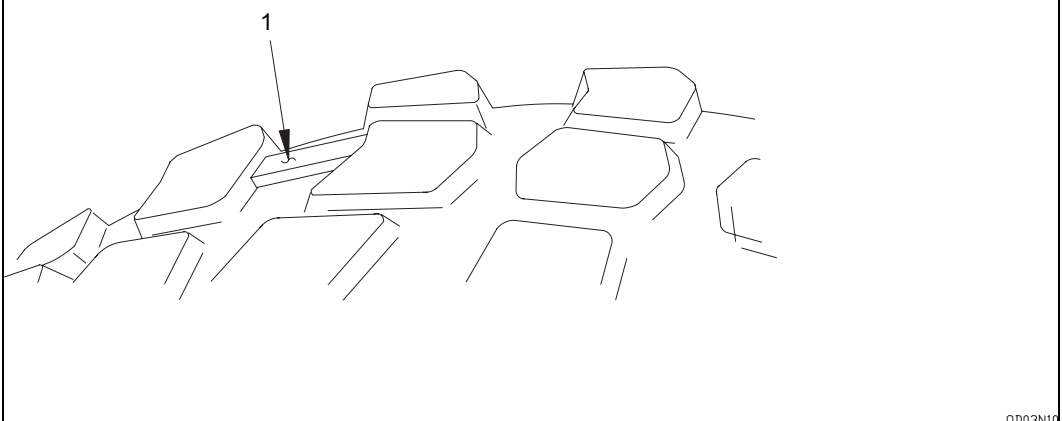
ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
 Figure 9. Tires.					
12	After	0.1	Horn Button	1. Check horn button (Figure 10, Item 1) for proper operation.	Horn button inoperable.

Table 1. PMCS - After (All Models) - Continued.

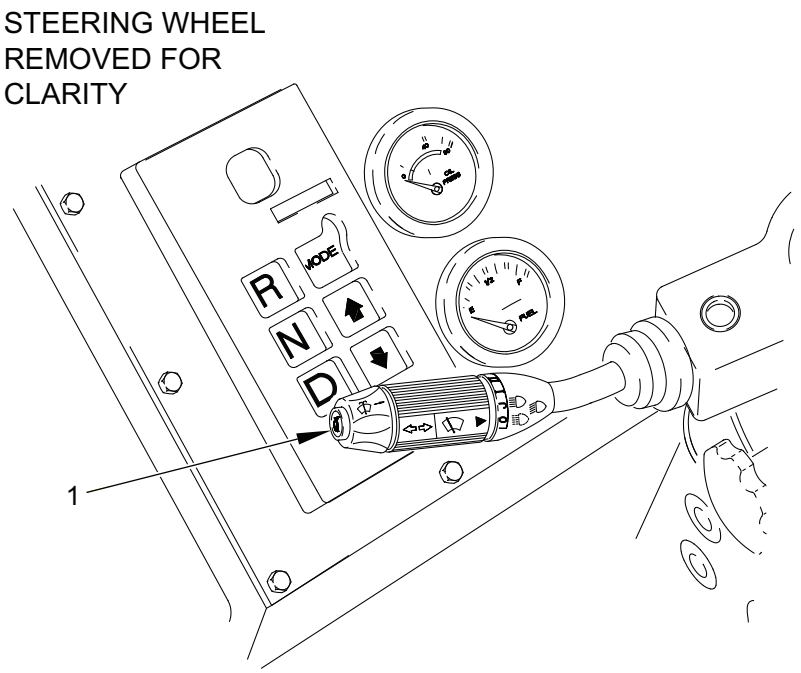
ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				 Figure 10. Horn Button.	
13	After	0.1	Lights	**NOTE** • Operating vehicle with damaged or inoperable headlights may violate AR 385-10.	

Table 1. PMCS - After (All Models) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				• Checking lights is a safety task that would not be performed in a tactical mission. See AR 385-10. 1. Check headlights, turn signals, taillights, stoplights, marker lights, blackout drive, and blackout marker lights for damage and proper operation. (Volume 1, WP 0016)	Headlights, turn signals, taillights, stoplights, marker lights, blackout drive, or blackout marker lights are inoperable.
14	After	0.1	Light Switches	**CAUTION** All switches must be placed in OFF position. Batteries could discharge. Failure to comply may result in damage to equipment. 1. Position main light switch to off. (Volume 1, WP 0004)	

***** The following is applicable to the following UOC(s): LBB LXB LBC LXC. *****

Table 2. PMCS - After (M1078A1, M1081A1).

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
1	After	0.3	Light Material Handling Crane (LMHC) (If Equipped)	1. Lubricate cable (WP 0315, Table 10) (Figure 11, Item 1).	

Table 2. PMCS - After (M1078A1, M1081A1) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				2. Lubricate boom sheave (WP 0315, Table 11) (Figure 11, Item 2).	

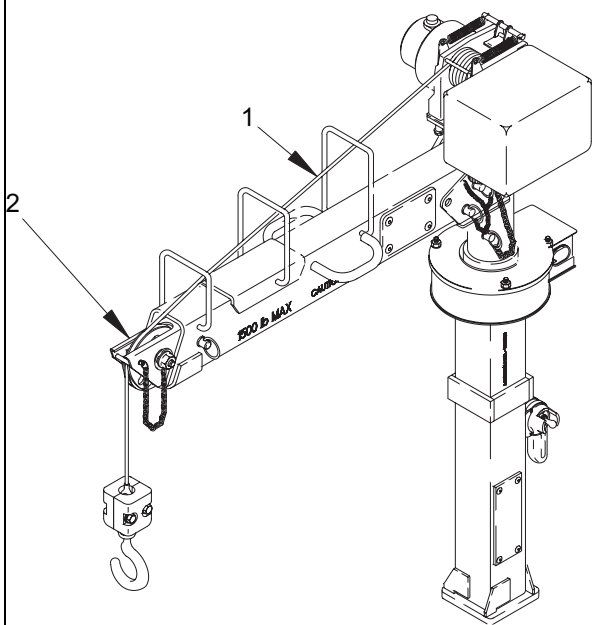


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Figure 11. Light Material Handling Crane (LMHC).

***** The following is applicable to the following UOC(s): LBD LXD. *****

Table 3. PMCS - After (M1079A1).

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
1	After	0.1	ISO Locks	1. Inspect/Adjust all four ISO locks. Ensure safety locks (Figure 12, Item 3) are properly engaged	

Table 3. PMCS - After (M1079A1) - Continued.

ITEM NO.	INTERVAL	MAN HOURS	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				against ISO locks (Figure 12, Item 2). Ensure ISO locks (Figure 12, Item 2) are properly engaged against Van Body (Figure 12, Item 1).	

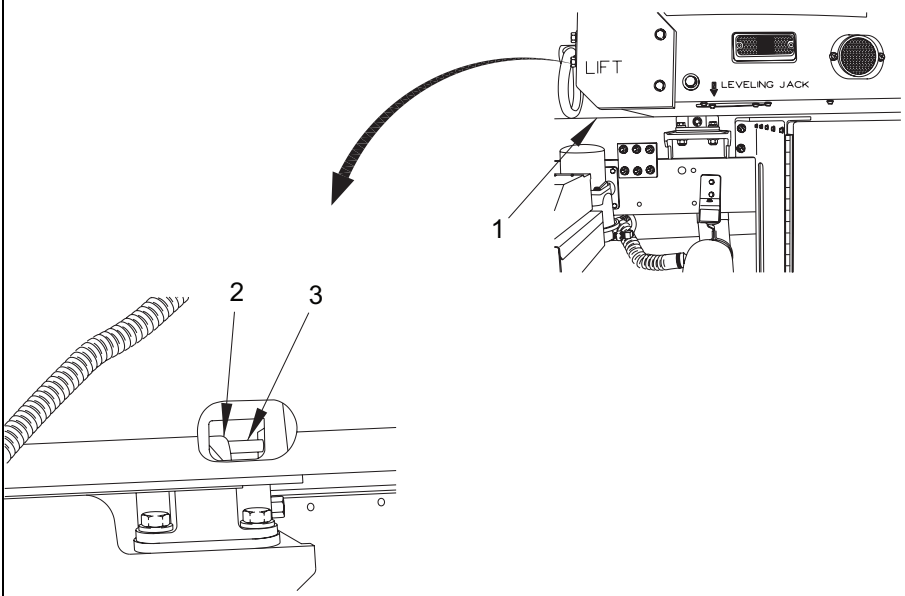

Figure 12. ISO Locks.

MANDATORY REPLACEMENT PARTS

No replacement parts are required for these PMCS procedures.

END OF WORK PACKAGE